

POCKET EDITION

ILLUSTRATED CATALOGUE.
N^o 141

PATENT CONTINUOUS
IRON FENCING.

Strained Wire Fencing, Railings,
Gates &c.

IRON ROOFING & BRIDGES.

A&J. MAIN & C^o

77^A Queen Victoria St.,
LONDON, E.C.

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GLASGOW, EDINBURGH
— and DUBLIN. —

Complete Roofing or Fencing CATALOGUES
(Large Editions) ON APPLICATION.

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A. & J. MAIN & CO.,

MANUFACTURERS OF

IRON AND WIRE FENCING,
RAILINGS, GATES, &c.,

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Landed Estates, Public Parks and Gardens,
Railways, &c.

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SUITED TO

Agricultural and Manufacturing
requirements.

STEEL AND IRON BRIDGES

FOR

Passenger and Carriage Traffic.

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A. & J. MAIN & CO'S
 "SPECIAL"
 CONTINUOUS BAR FENCING,

ON
 "BREAK-JOINT" CONSTRUCTION, with SPECIAL IRON
 or STEEL STANDARDS, PATENT EARTH PLATES,
 and GIRDER SECTION FLAT BARS.

SPECIALTIES.

"BREAK-JOINT."—Increased rigidity gained by this arrangement. The joining Standards are placed only 9 feet apart, and the Horizontal Bars are not all jointed at the same Standard. See illustrations on pages 2 and 3.

STANDARDS.—Standards made in *one solid piece, free from welds, and pointed for driving* into the ground, are much superior to the old arrangement of Standards with *Double Prongs*. A. & J. M. & Co.'s special Sections are the best form to adopt for such Standards, as they are stronger and take a much greater hold in the soil than any other.

EARTH PLATES.—A special feature of A. & J. M. & Co.'s PATENT STEEL EARTH PLATES is, that while the Fence is being erected, the plates can be adjusted on the Standard to suit any irregularities in the surface of the ground. This is of special importance, for the plates can thus always be firmly set into the soil.

GIRDER SECTION BARS.—Used for Lower Horizontal Bars instead of ordinary Flat Iron, whereby the appearance of the Fence is improved, while the strength is maintained.

Full-size Sections for Standards, &c.,

WILL BE FOUND ON PAGE 9.

A. & J. MAIN & CO.

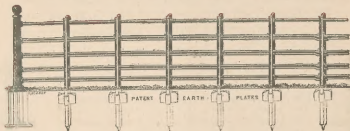
ARE
 PATENTEES AND SOLE MANUFACTURERS
 OF THIS

"SPECIAL" CONTINUOUS BAR FENCING.

77a Queen Victoria Street, LONDON, E.C.



"SPECIAL" FENCE WITH SECTION FLAT-BARS.
"BREAK-JOINT" CONSTRUCTION,
AND PATENT STEEL EARTH PLATES.



Fence with Flanged Iron Standards secured with Notch and Wedge Fixing.

Estimate.	Height Above Ground.		Top Bar.	Lower Bars.	Intermediate Standards placed 3 ft. apart.	Joint Standards placed 9 ft. apart.	Depth to Ground.
	Ft.	In.	In.	dia., Girder Section,			
No. 602,	3	6	5	"	F 2,	F 3,	21 inches.
" 603,	3	9	5	"	F 2,	F 3,	24 "
" 604,	4	0	5	"	F 2,	F 3,	24 "
" 611,	4	6	6	"	F 2,	F 3,	27 "

Estimates Nos. 602 to 604 can be had with 6 Bars, at 2½d. per yard extra.

FOR PRICES SEE COLOURED LIST AT END.

A. & J. MAIN & CO.'S H STEEL STANDARDS.

Steel Standards of H Section (H 2 and H 3) may be used in place of Flanged Iron (F 2 and F 3) in any of the above Specifications, or in Estimates Nos. 605 to 608B.

FULL SIZE SECTIONS ON PAGE 9.

These two ILLUSTRATIONS represent
 Elevation and Plan

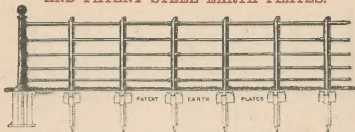
OF

A. & J. MAIN & CO.'S
PATENT
STEEL EARTH PLATES.



77a Queen Victoria Street, LONDON, E.C.

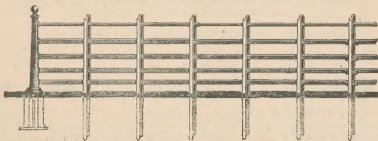
"SPECIAL" FENCE WITH ROUND BARS,
"BREAK-JOINT" CONSTRUCTION,
AND PATENT STEEL EARTH PLATES.



Fence with Flanged Iron Standards and Round Horizontal Bars.

Estimate.	Height above Ground.	Top Bar.	Lower Bar.	Intermediate Standards.	Joint Standards.	Depth in Ground.
	Ft. In.	In.	In.			
No. 605,	3 4 5 Bars,	diam.,	diam.,	F 2, 3 ft. apart	F 3, 9 ft. apart	21 inches.
" 606,	3 6 5 "	"	"	F 2, "	F 3, "	21 "
" 607,	3 9 5 "	"	"	F 2, 4 ft. apart	F 3, 8 ft. apart	24 "
" 608,	4 0 5 "	"	"	F 2, "	F 3, "	24 "
" 608B,	4 6 6 "	"	"	F 2, "	F 3, "	27 "

Estimates Nos. 605 to 608 can be had with 6 Bars, at 3½d. per yard extra.
 FOR PRICES SEE COLOURED LIST AT END.



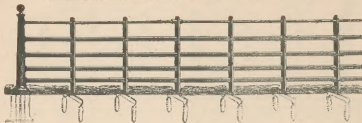
Fence with H Iron Standards secured with Notch and Wedge Fixing.

Estimate.	Height Above Ground.	Top Bar.	Lower Bar.	Intermediate Standards, placed 3 ft. apart.	Joint Standards, placed 9 ft. apart.	Depth in Ground.
	Ft. In.	In.				
No. 302,	3 6 5 Bars,	diam.,	Girder Section,	H 4,	H 4,	21 inches.
" 303,	3 9 5 "	"	"	H 4,	H 4,	24 "
" 304,	4 0 5 "	"	"	H 4,	H 4,	24 "
" 311,	4 6 6 "	"	"	H 4,	H 4,	27 "

Estimates Nos. 302 to 304 can be had with 6 Bars, at 2½d. per yard extra.
 FOR PRICES SEE COLOURED LIST AT END.

77a Queen Victoria Street, LONDON, E.C.

MAIN'S CONTINUOUS BAR FENCING, **"BREAK-JOINT" CONSTRUCTION,** **WITH ROUND-IRON TOP BAR.**



Fence with Flat-iron Standards secured by Main's Staple.

(Can be supplied with Notch and Wedge Filing if required.)

Estimate.	Height Above Ground.	Top Bar.	Lower Bars.	Intermediate Standards, placed 3 ft. apart.	Joint Standards, placed 9 ft. apart.	Depth in Ground.
No. 101,	3' 4" 5 Bars,	1/2" diam.,	Girder Section,	1 1/2" x 1/2",	1 1/2" x 1/2",	13"
" 101A,	3' 4" 5 "	" "	" "	1 1/2" x 1/2",	1 1/2" x 1/2",	13"
" 102,	3' 6" 5 "	" "	" "	1 1/2" x 1/2",	1 1/2" x 1/2",	13"
" 103,	3' 9" 5 "	" "	" "	1 1/2" x 1/2",	1 1/2" x 1/2",	13"
" 104,	4' 0" 5 "	" "	" "	1 1/2" x 1/2",	1 1/2" x 1/2",	15"
" 111,	4' 6" 8 "	" "	" "	1 1/2" x 1/2",	1 1/2" x 1/2",	16"

Estimates Nos. 101 to 104 can be had with 6 Bars, at 2 1/2d. per yard extra.

FOR PRICES SEE COLOURED LIST AT END.

BULB-FLAT IRON FOR STANDARDS.

The Bulb on the edges considerably strengthens the Standards. For full-size Sections, see page 9.



B 1.—For Intermediate Standards in Fences 3' 4" to 3' 6" high.



B 2.—For Intermediate Standards in Fences 3' 9" to 6' 0" high. For Joint Standards in Fences 3' 4" to 3' 6" high.



B 3.—For Joint Standards in Fences 3' 9" to 6' 0" high.

Any of the above and following Specifications may be had with **BULB-FLAT IRON** instead of the Ordinary Flat Iron, without any increase in price.

ERECTION OF CONTINUOUS BAR FENCES.

A. & J. MAIN & Co. send experienced workmen to any part of the United Kingdom to erect these Fences, at a charge of about 3d. per yard for Fences 3 ft. 4 in. to 4 ft. 6 in. high, and 4d. per yard for Deer Fences—the purchaser giving assistant labourers to each of A. & J. M. & Co.'s men; but if the extent of Fencing to be erected is under 300 yards, an additional charge may have to be made.

77a Queen Victoria Street, LONDON, E.C.

MAIN'S CONTINUOUS BAR FENCING, "BREAK-JOINT" CONSTRUCTION, WITH SQUARE-IRON TOP BAR.



Fence with Flat-iron Standards secured by Main's Staple.

(Can be supplied with Notch and Wedge Fixing if required.)

Estimate.	Height Above Ground.	Top Bar.	Lower Bars.	Intermediate Standards, placed 3 feet apart.	Joint Standards, placed 9 feet apart.	Depth in Ground.
No. 113,	3' 4"	5 Bars, $\frac{1}{2}$ " square,	Girder Section,	$1\frac{1}{2}" \times \frac{1}{2}"$,	$1\frac{1}{2}" \times \frac{1}{2}"$,	13"
" 114,	3' 6"	5 "	" "	$1\frac{1}{2}" \times \frac{1}{2}"$,	$1\frac{1}{2}" \times \frac{1}{2}"$,	13"
" 115,	3' 9"	5 "	" "	$1\frac{1}{2}" \times \frac{1}{2}"$,	$1\frac{1}{2}" \times \frac{1}{2}"$,	14"
" 116,	4' 0"	5 "	" "	$1\frac{1}{2}" \times \frac{1}{2}"$,	$1\frac{1}{2}" \times \frac{1}{2}"$,	15"
" 117,	4' 6"	6 "	" "	$1\frac{1}{2}" \times \frac{1}{2}"$,	$1\frac{1}{2}" \times \frac{1}{2}"$,	16"

Estimates Nos. 113 to 116 can be had with 6 Bars, at 2d. per yard extra.

FOR PRICES SEE COLOURED LIST AT END.



Fence with Flat-iron Standards and Round Horizontal Bars.

Estimate	Height Above Ground.	Top Bar.	Lower Bars.	Intermediate Standards.	Joint Standards.	Depth in Ground.
No. 105A,	3' 4"	5 Bars, $\frac{1}{2}$ " dia.,	$\frac{1}{2}$ " dia.,	$1\frac{1}{2}" \times \frac{1}{2}"$, 3' apart,	$1\frac{1}{2}" \times \frac{1}{2}"$, 9' apart,	13"
" 105,	3' 4"	5 "	" "	$1\frac{1}{2}" \times \frac{1}{2}"$, " "	$1\frac{1}{2}" \times \frac{1}{2}"$, " "	13"
" 106,	3' 6"	5 "	" "	$1\frac{1}{2}" \times \frac{1}{2}"$, " "	$1\frac{1}{2}" \times \frac{1}{2}"$, " "	13"
" 107,	3' 9"	5 "	" "	$1\frac{1}{2}" \times \frac{1}{2}"$, 4' apart,	$1\frac{1}{2}" \times \frac{1}{2}"$, 8' apart,	14"
" 108,	4' 0"	5 "	" "	$1\frac{1}{2}" \times \frac{1}{2}"$, " "	$1\frac{1}{2}" \times \frac{1}{2}"$, " "	15"
" 108A,	4' 6"	6 "	" "	$1\frac{1}{2}" \times \frac{1}{2}"$, " "	$1\frac{1}{2}" \times \frac{1}{2}"$, " "	16"

Estimates Nos. 105A to 108 can be had with 6 Bars, at 3d. per yard extra.

FOR PRICES SEE COLOURED LIST AT END.

77a Queen Victoria Street, LONDON, E.C.

MAIN'S CONTINUOUS BAR FENCING, "BREAK-JOINT" CONSTRUCTION, AND PATENT STEEL EARTH PLATES.



Fence for Deer Parks, with Flanged Iron Standards.

(Standards in Estimate No. 609 secured with Notch and Wedge Fixing).

Estimate.	Height Above Ground.	Top Bar.	Lower Bar.	Intermediate Standards. 11 used 4 feet apart.	Joint Standards. 11 used 8 feet apart.	Depth in Ground.
No. 609.	6' 0", 8 Bars,	$\frac{3}{4}$ " dia.,	Girder Section,	Section F 2,	Section F 3,	30"
" 610.	6' 0", 8 "	$\frac{3}{4}$ " "	$\frac{5}{8}$ " diam.,	" F 2,	" F 3,	30"

FOR PRICES SEE COLOURED LIST AT END.

MAIN'S CONTINUOUS BAR FENCING, WITH STEEL BARB WIRE ON TOP.

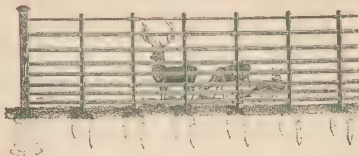


THIS illustration shows the adaptation of Galvanized Steel Barb Wire to a Continuous Bar Fence. Any of the foregoing Bar Fences can be supplied with it in either of the arrangements shown, and the extra cost is as follows:—

If to be twisted round Top Bar,	1½d. per yard.
If raised above Top Bar on specially prepared Standards,	2d. "

77a Queen Victoria Street, LONDON, E.C.

MAIN'S CONTINUOUS BAR FENCING, "BREAK-JOINT" CONSTRUCTION, AND GIRDER SECTION FLAT BARS.



Fence for Deer-Parks, with Flat-Iron Standards.

(Standards in Estimate No. 109 secured by Main's Staple, or can be supplied with Notch and Wedge Picing, if required.)

Estimate.	Height Above Ground.	Top Bar.	Lower Bar.	Intermediate Standards, placed 4 feet apart.	Intermediate Standards, placed 8 feet apart.	Depth in Ground.
No. 109,	6' 0" 8 Bars,	$\frac{3}{8}$ " diam.,	Girder Section,	$1\frac{1}{2}" \times \frac{3}{8}"$,	$1\frac{1}{2}" \times \frac{3}{8}"$,	18"
" 110,	6' 0" 8 "	$\frac{3}{8}"$ "	$\frac{5}{8}"$ diam.,	$1\frac{1}{2}" \times \frac{3}{8}"$,	$1\frac{1}{2}" \times \frac{3}{8}"$,	18"

$\frac{3}{8}"$ BULB-FLAT IRON STANDARDS (see page 4) can be supplied instead of Flat-iron without any additional charge.

FOR PRICES SEE COLOURED LIST AT END.

A. & J. MAIN & CO.'S "DIAMOND" BLACK VARNISH, FOR PRESERVING IRON, WOOD, OR STONE WORK.

This Varnish is an excellent substitute for Oil Paint on all out-door work. It is very much cheaper than the usual quality of Oil Paint, and can be applied by any ordinary labourer.



It requires no heating, mixing, or other preparation, but is ready for use as it is sent out from our Works. It is now very extensively used for all descriptions of Iron and Wood Fencing.

Supplied only in Casks of 12, 20, or 40 Gallons; delivered to any Railway Station.

12 or 20 Gallons, $\frac{1}{6}$ per Gallon, Cask extra.
40 " $\frac{1}{3}$ " Cask included.

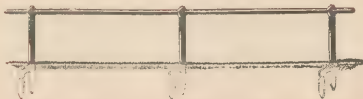
77a Queen Victoria Street, LONDON, E.C.

A. & J. MAIN & CO., Manufacturers,

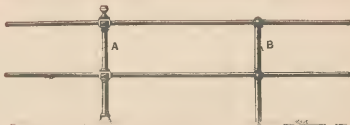
WROUGHT-IRON GUARD FENCES, FOR PARK AND GARDEN WALKS.



No. 621.—This Fence is largely used in Public Parks; it stands 15 in. high above ground. The Horizontal Bar is $\frac{3}{4}$ in. square, set on edge, and the Standards are of Flanged Iron Section F 3, placed 3 feet apart, having MAIN'S PATENT EARTH PLATES.



No. 622. This Fence is also very largely used in Public Parks and Recreation Grounds. The Horizontal Bar is $\frac{3}{4}$ in. square set on edge, and stands 12 in. high above ground. The Standards are of Flat-iron, with Prongs, placed 3 feet apart.



No. 623. This is a strong Railing, and is suitable for Promenades, &c. The height is 3 ft. 3 in. from ground to top rail. The Standards can be of Cast-iron as A, or of Wrought-iron as B. They are prepared for bolting into stone, and are placed 5 feet apart. The Horizontal Rails are Tubes, $1\frac{1}{2}$ in. diameter.

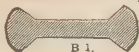
FOR PRICES SEE COLOURED LIST AT END.

77a Queen Victoria Street, LONDON, E.C.

MAIN'S SPECIAL SECTIONS,

FOR
BAR FENCES.

AND
WIRE FENCES.



B 1.



GIRDER.



B 2.

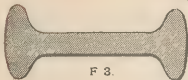


H

4



B 3.



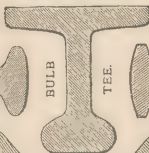
F 3.



H 3.

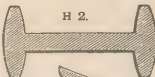


F 2.



BULB

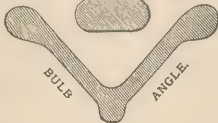
TEE.



H 2.



F 1.



BULB

ANGLE.



C 4.

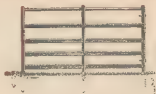
FULL-SIZE SECTIONS.

77a Queen Victoria Street, LONDON, E.C.

MAIN'S IMPROVED WROUGHT-IRON HURDLES.



Hurdles
are
Painted
before
Despatch.

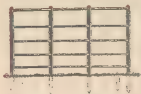


Round Bar Hurdle—Each 6 ft. long. Flat Bar Hurdle—Each 6 ft. long.

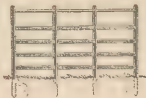
No.	Height.	Top.	5 Bars.	Lower.	Sides.	Centres.	No.	Height.	Top.	5 Bars.	Lower.	Sides.	Centres.
1A,	3' 3"	1" dia.	1" dia.	1" dia.	1" dia.	1" dia.	4,	3' 4"	1" dia.	1" dia.	1" dia.	1" dia.	1" dia.
1,	3' 4"	"	"	"	"	"	5A,	3' 6"	"	"	"	"	"
2A,	3' 6"	"	"	"	"	"	6,	3' 9"	"	"	"	"	"
3,	3' 9"	"	"	"	"	"	6A,	4' 0"	"	"	"	"	"
3A,	4' 0"	"	"	"	"	"							

If with 6 Bars, 7d. per Hurdle extra.

If with 6 Bars, 6d. per Hurdle extra.



Hurdles
are
Painted
before
Despatch.

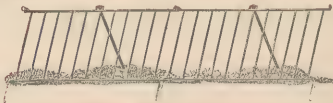


Round Bar Hurdle—Each 6 ft. long. Flat Bar Hurdle—Each 6 ft. long.

No.	Height.	Top.	5 Bars.	Lower.	Sides.	Centres.	No.	Height.	Top.	5 Bars.	Lower.	Sides.	Centres.
7A,	3' 6"	1" dia.	1" dia.	1" dia.	1" dia.	1" dia.	9A,	3' 6"	1" dia.	1" dia.	1" dia.	1" dia.	1" dia.
7,	3' 9"	"	"	"	"	"	10,	3' 9"	"	"	"	"	"
8,	4' 0"	"	"	"	"	"	11,	4' 0"	"	"	"	"	"

If with 6 Bars, 7d. per Hurdle extra.

If with 6 Bars, 6d. per Hurdle extra.



SHEEP-FOLDING HURDLES.

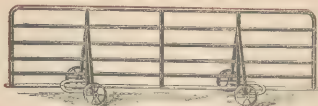
No. 12A, 6' 6" long, 2' 9" high, uprights $\frac{1}{2}$ " diam., at 6" apart, stay to each Hurdle.

No. 13A, " " 3' 0" " " " " " "

FOR PRICES SEE COLOURED LIST AT END.

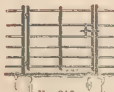
77a Queen Victoria Street. LONDON. E.C.

WROUGHT-IRON SHEEP-FOLD HURDLE ON WHEELS.



No. 389.—12 ft. long by 3 ft. 6 in. high; the top and end Bars are of T Iron, and the four middle Bars are 1 in. by $\frac{1}{2}$ in. Flat-iron; the Wheels are 10 in. diameter; and the whole is complete with chains, and the necessary bolts and nuts.

Delivered in London, 21/ each; in Dublin, 23/ each.



No. 210.

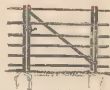
Wicket to match Hurdles up to 3 ft. 6 in. high,
for hanging to sides of Hurdles,

If hung to a pair of strong Standards, with
triangle feet, for bolting to sides of Hurdles,

Wicket to match Hurdles 3 ft. 9 in. to 4 ft. high,
for hanging to sides of Hurdles,

If hung to a pair of strong Standards, with triangle
feet, for bolting to sides of Hurdles,

These
WICKETS
are made
to
MATCH HURDLES
on
Page 10.



No. 416.

At Works, London or Dublin

14/ 15/

21/ 22/6

16/6 17/6

24/6 26/



No. 417.

This illustration represents an inexpensive Double leafed Gate suitable for Hurdle Fences. The
Prices are as under:—

At Works, London or Dublin.

Gate 9' wide x 3' 4" to 4' 0" high, 5 Bars, 28/6 31/6

If hung to a pair of strong Standards, with triangle feet,
for bolting to sides of Hurdles, 39/ 43/

The Gate may also be hung to Wrought or Cast-Iron Pillars, if desired, at an extra price.

77a Queen Victoria Street, LONDON, E.C.

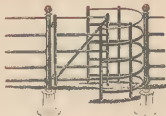
WROUGHT-IRON WICKET-GATES, &c.



No. 101.

With Round or Flat Bars to match Fences.

Height.	Width.	At Works.	Lon. or Dub.
3' 6", 3' 6"	Round Bars, Slip Bolt,	24/	25/6
3' 9", 3' 6"	"	25/	27/
3' 6", 3' 6"	Flat Bars,	20/	21/6
3' 9", 3' 6"	"	21/6	23/
Cast-iron Pillars, with Bases, each 12/6 14/			



No. 103.

With Round or Flat Bars to match Fences.

Wicket and Bow.	3' 6" high,	At Works.	Lon. or Dub.
	3' 9" "	27/6	30/
	" "	28/6	31/
Cast-iron Pillars, with Bases, ea. 12/6 14/			



No. 102.

With Round or Flat Bars to match Fences.

Height.	Width.	At Works.	Lon. or Dub.
3' 6" 3' 6", with Slip Bolt,	...	15/ 16/	
3' 9" 3' 6",	"	16/ 17/	
Cast-iron Pillars, with Bases, each 12/6 14/			



No. 105.

The Wicket is made so as to fold and open.

Wicket and Bow.	3' 6" high,	At Works.	Lon. or Dub.
	3' 9" "	37/6	40/
	" "	38/6	41/
Cast-iron Pillars, with Bases, ea. 12/6 14/			

IRON FENCE STEPS.

They allow persons to get over the Fences easily, without injuring the Bars or Wires. A. & J. M. & Co. submit here two descriptions.

PRICES.

No.	At Works.	Lon. or Dublin.
No. 65,	... 30/	32/6
" 391,	... 15/	16/6



No. 65.



No. 391.

77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON FIELD GATES.



No. 99.—The Frame of this Gate is made of strong T iron, with gusset plates. Diagonal Bars are of Angle-iron.

PRICES.

	At Works.	Lon. or Dub.
Gate 9' wide x 3' 6" to 4' high, 5 Bars, ...	23/6	26/
Gate 9' wide x 4' to 4' 6" high, 6 Bars, ...	24/6	27/
Round Cast-iron Pillars, with self-fixing Bases, per pair, ...	35/	40/
Round Cast-iron Pillars, for bolting to stone, per pair, ...	25/	30/

No. 91.—This Gate is made with a strong T iron Frame, and Diagonal Bracings of Angle-iron with gusset plates in corners, fitted together in a substantial manner.

PRICES.

	At Works.	Lon. or Dub.
Gate 9' wide x 3' 6" to 4' high, 5 Bars, ...	22/6	25/
Gate 9' wide x 4' to 4' 6" high, 6 Bars, ...	23/6	26/

Round Cast-iron Pillars as above.



No. 350.—In this Gate the Top Bar and principal Diagonal are made in *one piece*, and are so constructed as to form of themselves the hanging eye of the Gate.

PRICES.

	At Works.	Lon. or Dub.
Gate 9' wide x 3' 6" to 4' high, 5 Bars, ...	22/6	25/
Gate 9' wide x 4' to 4' 6" high, 6 Bars, ...	23/6	26/

Round Cast-iron Pillars as above.



The Prices of Gates include Hangings to bat into Stone, or to go through Wood Posts up to 9 in. thick. The Prices of Pillars for Bolting to Stone include Bat-bolts.

77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON FIELD GATES.

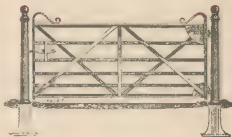
No. 628.—This Gate has T iron Top and Bottom Bars, and Flat-iron Back Bar. The Diagonals are of Angle-iron.

PRICES. At ^{Lon.} or ^{Dub.} Works.
Gate 9' wide x 3' 6" to 4' 6" high, 5 Bars, ... 26/ 28/6

Gate 9' wide x 4' to 4' 6" high, 6 Bars, ... 27/ 30/

Round Cast-iron Pillars, with self-fixing Iron Bases, per pair, 35/ 40/

Round Cast-Iron Pillars, for bolting to stone, per pair, ... 25/ 30/



No. 535.—This Gate is made with the Frame of Flat-iron, and has Diagonal Bracing of Double Flat-irons. It is made with Round Horizontal Bars to match Wire Fences, Round Bar Fencing, or Hurdles.

PRICES. At ^{Lon.} or ^{Dub.} Works.
Gate 9' wide x 3' 6" to 4' 6" high, 5 Bars, ... 24/6 26/

Gate 9' wide x 4' to 4' 6" high, 6 Bars, ... 25/6 27/6

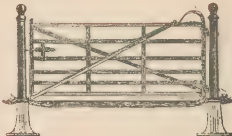
Round Cast-iron Pillars as above.

No. 610.—This Gate is also made with a strong Flat-iron Frame, and Diagonal Bracing of Flat-iron. It is suitable to match Fences with Flat-iron Horizontal Bars.

PRICES. At ^{Lon.} or ^{Dub.} Works.
Gate 9' wide x 3' 6" to 4' 6" high, 5 Bars, 25/6 28/

Gate 9' wide x 4' to 4' 6" high, 6 Bars, 26/6 30/

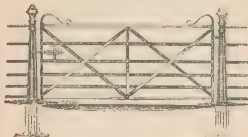
Round Cast-iron Pillars as above.



²² The Prices of Gates include Hangings to bat into Stone, or to go through Wood Posts up to 9 in. thick. The Prices of Pillars for bolting to Stone include Bat bolts.

77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON FIELD GATES.



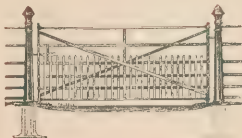
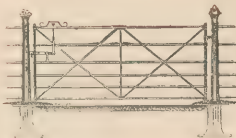
No. 184.—This Gate has the Horizontal and Diagonal Bars of Flat-iron, while the Back Bar is of Square-iron.

PRICES. At Lon. or Dub.
 Gate 9' wide x 3' 6" Works. 32/6 37/6
 to 4' high, 5 Bars,
 Gate 9' wide x 4' to 4' 6" high, 6 Bars, 35/ 40/
 Octagon Cast-iron Pillars, with Self-fixing Bases, per pair, 40/ 45/
 Octagon Cast-iron Pillars, for bolting to stone, per pair, 30/ 35/

If made Double-leafed, 12/6 extra. If made Self-closing, 7/6 extra.

No. 87.—This Gate is adapted for use in Wire or Round-bar Fences. The Top and Bottom Bars are of Flat-iron, with Square Back Bar; the Intermediate Bars are of Round-iron, and the Diagonals of Flat.

PRICES. At Lon. or Dub.
 Gate 9' wide x 3' 6" Works. 52/6 57/6
 to 4' high, 5 Bars,
 Gate 9' wide x 4' to 4' 6" high, 6 Bars, 55/ 60/
 Octagon Cast-iron Pillars as above.
 If made Double-leafed, 12/6 extra.
 If made Self-closing, 7/8 "



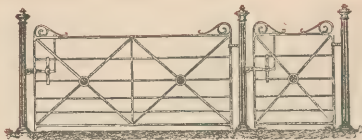
No. 94.—This Gate is constructed same as No. 184, with Square Back Bar, and Top and Bottom Bars of Flat-iron. The Vertical Uprights are of Flat-iron, placed at about 2-in. centres.

PRICES. At Lon. or Dub.
 Gate 9' wide x 3' 6" Works. 50/ 55/
 to 4' high, 5 Bars,
 Gate 9' wide x 4' to 4' 6" high, 6 Bars, 55/ 60/
 Octagon Cast-iron Pillars as above.
 If made Double-leafed, 12/6 extra.

237 The Prices of Gates include Hangings to bat into Stone, or to go through Wood Posts up to 9 in. thick. The Prices of Pillars for bolting to Stone include Bat-boits.

77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON CARRIAGE GATES and WICKETS.



No. 87. This is a very neat and convenient arrangement of a Carriage Gate and Wicket, suitable for an approach. The Intermediate Horizontal Bars are of Solid Round Iron, but can be made Tubular, when desired, at an extra charge.

Width. Height.		At Works.		Lon. or Dub.	Width. Height.		At Works.		Lon. or Dub.
GATE,	9' x 3' 9" to top Bar, 5 Bars,	80/	95/		WICKET,	3' 6" x 3' 9" 40/	42/6		
"	9' x 4' 0" " 6 "	92/6	97/6		"	3' 6" x 4' 0" 42/6	45/		
"	9' x 4' 6" " 7 "	95/	100/		"	3' 6" x 4' 6" 45/	47/6		

If Gate is made Double leaved, 12/6 additional. Self-closing, 7/6 extra.

OCTAGON CAST-IRON PILLARS, with Bolts and Nuts for Stone, extra.



No. 98.—This is also a very neat and convenient arrangement of a Carriage Gate and Wicket for an approach. The Intermediate Horizontal Bars are of Tubular Iron, but can be made of Solid Round Bars when desired.

Width. Height.		At Works.		Lon. or Dub.	Width. Height.		At Works.		Lon. or Dub.
GATE,	9' x 3' 9" to top Bar, 5 Bars,	80/	85/		WICKET,	4' x 3' 9" 40/	42/6		
"	9' x 4' 0" " 6 "	82/6	87/6		"	4' x 4' 0" 42/6	45/		
"	9' x 4' 6" " 7 "	85/	90/		"	4' x 4' 6" 45/	47/6		

If Gate is made Double-leaved, 12/6 extra. Self-closing, 7/6 extra.

OCTAGON CAST-IRON PILLARS, with Bolts and Nuts for Stone, extra.

77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON FARM-YARD GATES.

No. 96a.—PRICES.



	Width.	Height.	At Works.	Lon. or Dub.
Gate	9' 0" x 4' 6"		85/	90/
"	10' 0" x 4' 6"		90/	95/

Including Hangings to bat into Stone, or to go through Wood Posts up to 9 in. thick.

Octagon Cast-iron Pillars for ditto—

If with Bases, per pair,	40/	45/
If for Stone, "	30/	35/

This Gate and No. 164 following are made with Square Back Bars, the Top and Bottom Bars being of Flat-iron. The Uprights are of Flat-iron, and the Diagonal of Angle Iron.

No. 164.—PRICES.

	Width.	Height.	At Works.	Lon. or Dub.
Gate	9' 0" x 4' 6"		80/	85/
"	10' 0" x 4' 6"		85/	90/

Including Hangings to bat into Stone, or to go through Wood Posts up to 9 in. thick.

Octagon Cast-iron Pillars for ditto—

If with Bases, per pair,	40/	45/
If for Stone, "	30/	35/



MAIN'S RIDING LATCH.

This is a newly-designed Riding Latch, which can be adapted to ordinary Field or Carriage Gates, as illustrated in Fig. 2. It is operated from one side of the Gate by the Rider using his whip to lift the Handle A (see Fig. 3), thus raising the Latch B to clear Catch C, and at same time pulling the Gate towards him. Opening is effected from the opposite side by the rider pushing the Handle, by which action the Gate is at same time pushed open. The Catch allows the Gate to open only one way. When the Gate is shut to, the Latch, being self-acting, falls into position, as in Fig. 1.



No. 1.



No. 2.



No. 3.

Any of the foregoing Gates can be fitted with this Latch, either in place of or in addition to the ordinary Slip Bolt or Latch. Price 7/6 extra.

77a Queen Victoria Street, LONDON, E.C.

SPECIAL QUOTATIONS FOR LARGE QUANTITIES.



IMPORTANT NOTICE.—All our Netting will be found to be to the Standard Gauge, and of correct Mesh and Length.

PRICES PER 100 YARDS.

Size of Mesh.	Gauge of Wire.	WIDTH OF NETTING.							
		12 in.	18 in.	24 in.	30 in.	36 in.	48 in.	60 in.	72 in.
2 inch.	No. 19.	5/	7/6	10/	12/6	15/	20/	25/	30/
—	" 18.	6/4	9/6	12/6	15/8	18/10	24/10	31/4	37/6
—	" 17.	8/8	12/8	16/10	21/	25/2	33/6	42/	50/4
—	" 16.	10/8	16/	21/4	26/8	32/	42/8	53/4	64/
1½ inch.	No. 19.	6/4	9/4	12/6	15/8	18/8	24/10	31/2	37/4
—	" 18.	7/8	11/6	15/4	19/2	23/	30/8	38/4	46/
—	" 17.	10/	15/	19/10	24/10	29/10	36/8	45/8	54/6
—	" 16.	12/6	18/10	25/	31/4	37/6	49/10	62/6	74/10
1½ inch.	No. 19.	6/10	10/4	13/8	17/2	20/6	27/2	34/2	40/10
—	" 18.	8/2	12/4	16/4	20/6	24/6	32/8	40/10	49/
—	" 17.	10/4	15/6	20/8	25/10	31/	41/4	51/8	62/
—	" 16.	13/6	20/4	27/	33/10	40/6	54/	67/6	81/
1½ inch.	No. 19.	8/2	12/4	16/4	20/6	24/6	32/8	40/10	49/
—	" 18.	10/	15/	19/10	24/10	29/10	36/8	45/8	54/6
—	" 17.	13/4	20/	26/8	33/4	40/	50/4	60/8	70/
—	" 16.	17/10	26/10	35/8	44/8	53/6	71/2	89/2	106/10
1 inch.	No. 19.	10/4	15/6	20/8	25/10	31/	41/4	51/8	62/
—	" 18.	12/6	18/10	25/	31/4	37/6	49/10	62/6	74/10
—	" 17.	17/10	26/10	35/8	44/8	53/6	71/2	89/2	106/10
¾ inch.	No. 20.	11/6	17/2	22/10	28/6	34/2	45/6	57/	68/4
—	" 19.	14/8	21/10	29/2	36/6	43/8	58/2	72/10	87/4
—	" 18.	17/2	25/8	34/2	42/8	51/2	68/2	85/4	102/4
¾ inch.	No. 20.	17/8	26/6	35/4	44/2	53/	70/6	88/4	105/10
—	" 19.	21/4	32/	42/8	53/4	64/	85/4	106/8	128/
½ inch.	No. 22.	18/10	28/4	37/8	47/2	56/6	75/4	94/2	113/
—	" 20.	22/10	34/4	45/8	57/2	68/6	91/2	114/2	136/10

GALVANIZED SHEEP WIRE NETTING With Twisted Strand in Centre.

3 feet high—4 in. Mesh—Gauge No. 15,

14,

13.

PRICES,

27/

32/

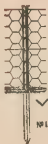
88/ per 100 yards.

ALL NETTINGS DELIVERED FREE at Principal Railway Stations or Seaports when the Order amounts to £3.

SUPPLIED ONLY IN ROLLS OF 50 YARDS.

77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON STANDARDS for WIRE NETTING.



Staple
for



Wire
Netting.

Staples, in Packages of One
Gross, at 6d. per gross.
Lacing Wire, Galvanized, in
1-lb. Hanks, at 6d. per lb.



Cutting Pliers for Wire Netting.
2/6 each.

No. 1.—For Sheep Wire
Netting, 3 feet wide,
including Staples.

No. 2. For Poultry
Wire Netting.

No. 3. For Rabbit
Wire Netting.

		Black Var- nished.	Gal- vanized.		Black Var- nished.	Gal- vanized.
	Per doz.		Per doz.		Per doz.	
		3 ft. wide, ...	9/ 13/6	1 ft. 6 in. wide, 3/	4/	
Black Varnished, at...	12/6	4 " ...	13/ 20/	2 ft. " "	3/9	5/3
		5 " ...	19/6 30/6	2 ft. 6 in. " "	4/6	6/9
Galvanized, " ...	19/	6 " ...	23/6 37/	3 ft. " "	5/3	7/6

DELIVERED FREE at Principal Railway Stations or Seaports when the
Order amounts to £2.

ORNAMENTAL VERMIN-PROOF PORTABLE FENCING.

This Pattern

is

No. 252.



This Pattern

is

No. 252.

ORNAMENTAL PATTERN, No. 252 (as illustration above). -Chicken and
Vermin Proof, Galvanized, in 3-ft. Panels, 6 ft. high, 5/ per yard; 7 ft. high,
6/ per yard.

PLAIN PATTERN, No. 250. This is a plainer pattern than No. 252, is
Chicken-Proof, Galvanized, in 3-ft. Panels, 6-ft. high, 4/6 per yard; 7
ft. high, 5/ per yard.

Doors, 3/ each extra. One Door free with 12 lengths. Wrought-iron Standards
and Fastenings included.

These Fences possess special advantages. They afford great facility for increasing,
curtailing, or sub-dividing runs, as circumstances require, besides possessing a
trim and attractive appearance never attained with Netting and Wood work.

77a Queen Victoria Street, LONDON, E.C.

A. & J. MAIN & CO.'S FENCING WIRE.

SPECIAL QUOTATIONS FOR LARGE QUANTITIES.

FULL-SIZE SECTIONS.

Nos. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10.



SPECIAL NOTICE:

Prices for Delivery at any required Station or Seaport will be given on application. Intending Purchasers are recommended to apply to us for *delivered prices*, stating the quantity required, as lower freight rates can frequently be arranged.

PRICES DELIVERED IN LONDON.

	Nos 0 to 8. 9. 10.	
BEST "BRIGHT STEEL,"	10/	11/
" "ANNEALED DRAWN,"	10/	11/
" "PREPARED BRIGHT,"	10/	11/
" "GALVANIZED DRAWN,"	12/6	13/6
		14/

The Length per Cwt. of the above Wires is about

Nos. 0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
135,	160,	190,	230,	275,	330,	395,	475,	570.	680,	815 yards.

BEST GALVANIZED STRAND WIRE (7-ply).

Nos. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
16/	16/9	17/	17/6	18/	18/6	19/6	20/3	21/3	25/ per cwt.

The Length per Cwt. of the STRAND Wire is about

Nos. 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
200,	220,	260,	307,	392,	465,	546,	700,	800,	1000 yards.

GALVANIZED STEEL BARB-WIRE.

4-POINT BARBS, at 6" apart,

" " at 3" "



Per 100 yards.	Per Cwt.	Per Cwt.
4/	17/6	533 yds.
5/	18/	448 "

GALVANIZED HOOKS for do., for }
fixing to Wooden Posts, }

1/6 per 100 Hooks.

Sold only in Reels containing 1 cwt., ½ cwt., or 100 yards.

Reels for 100 yards charged 6d. each extra.

77a Queen Victoria Street, LONDON, E.C.

IMPROVED TOOLS FOR ERECTING WIRE FENCES.

Patent Wire Strainer.



This is a light and strong Tool for straining Wires in Fences. It consists of only four pieces; and can be applied either to Wood or Iron Posts.

Price 15/ each.

"The Ratchet" Wire Strainer.



This is a powerful straining Tool: it can easily tighten up 300 yards of Wire, and has advantages over all other Strainers. It is strongly recommended.

Price 17/6 each.

ROUND-
MOUTHED
PLYERS.

3/ each.

STEELLED
CLAMS.

6/ each.

WIRE STRAIGHTENER.



The Wires are passed through the grooved rollers, and by this means all bends or "kinks" are taken out of them before they are put into the Fence.

15/ each.

CUTTING
PLYERS.

4/ each.

FLAT-
MOUTHED
PLYERS.

3/6 each.

NOTE.—The foregoing Tools, including one Strainer, may be had in a strong Wooden Box with Lock and Hinges, Price £2 15s.

DIAMOND-POINTED
STAPLES.

Galvanized. Plain
Per 1000. Per 1000.

No. 8 Gauge, 6/6 ... 5/

" 6 " 8/ ... 6/6

GALVANIZED SCREW

EYE-BOLTS.

With Nuts and Washers.



Per Doz.

12 inches long, ... 5/6

14 " ... 6/6

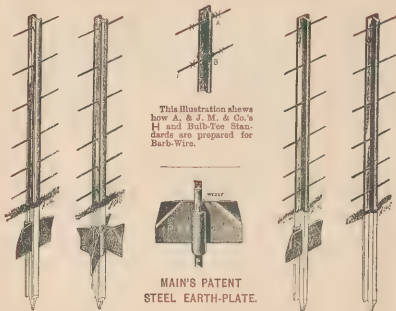
"SIMPLEX" WINDING
BRACKETS.

Price 8/6 per dozen.

77a Queen Victoria Street, LONDON, E.C.

MAIN'S SPECIAL SECTION STANDARDS.

NO DIGGING OF HOLES IN GROUND REQUIRED.



This illustration shows how A. & J. M. & Co.'s H and Bulb-Tree Standards are prepared for Barb-Wire.

MAIN'S PATENT
STEEL EARTH-PLATE.For Full-Size Sections,
see Page 9.

No. 626. No. 584.

No. 627. No. 585.

PRICES.

For Fence—3 ft. 6 in.

	At Works.	Lon. or Dublin.
No. 626,	16/3	19/6
" 584,	15/	17/6
" 627,	19/	23/
" 585,	16/	19/6

3 ft. 9 in.

	At Works.	Lon. or Dublin.
	17/3	21/
	15/9	18/6
	20/3	24/6
	17/3	21/

4 ft.

	At Works.	Lon. or Dublin.
	17/9	21/6
	16/3	19/
	21/	25/6
	18/	22/

4 ft. 6 in. high.

	At Works.	Lon. or Dublin.	
	19/3	23/9	per doz.
	17/6	20/6	"
	23/3	28/	"
	20/3	24/6	"

Wedges for fixing the Wires to Standards.—These are supplied, extra, at 2/ per 100 Wedges.

STANDARDS PREPARED FOR BARB WIRE.

If Standards are prepared at types A, including Special Wires, at 1d per doz. Standards extra,
" " as B, including Special Clip, " at 3d per 100 Clips extra.

77a Queen Victoria Street, LONDON, E.C.

MAIN'S SPECIAL SECTION STANDARDS. NO DIGGING OF HOLES IN GROUND REQUIRED.

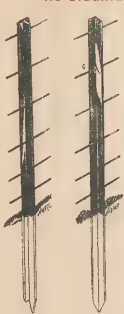


Fig. 1.

These illustrations (Figs. 1 and 2) show how the Standards are prepared for Barb-wire.

Fig. 2.



No. 154. No. 625.

For Full-Size Sections
see Page 9.

No. 153. No. 452.

PRICES.

For Fence—		3 ft. 6 in.		3 ft. 9 in.		4 ft. high.	
		At Works.	Lon. or Dub.	At Works.	Lon. or Dub.	At Works.	Lon. or Dub.
No. 154.	T, $1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{8}$ in.,	11/	12/3	11/9	13/3	12/3	14/
	T, $1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{8}$ "	11/6	13/3	12/3	14/3	12/9	15/
No. 625.	L, $1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{8}$ "	10/	12/	10/9	13/	11/3	13/9
	L, $1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{8}$ "	12/	14/3	12/9	15/3	13/3	16/
If Standards No. 154 have Patent Earth plates, at Works, 3/; Lon. or Dub. 4/6 per doz. extra.							
No. 153.	Bulb-angle, ...	11/9	13/	12/6	14/9	13/	15/6 per doz.
" 452.	Channel-steel, ...	11/	12/6	11/9	13/9	12/3	14/6
If Wedges are supplied for fixing Wires to Standard No. 154, extra, at 2/ per 100 wedges.							
If Wedges as C are supplied for Standard No. 625, at 2/6 " "							
If Wedges as D are supplied for Standard No. 153, at 2/ " "							

STANDARDS PREPARED FOR BARB-WIRE.

For each Line of Barb-Wire.
If Standards Nos. 154 and 625 are prepared as E, at 4d. per doz. Standards extra.
" Standards No. 153 are prepared as H, .. at 3d. " " "

77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON STANDARDS FOR WIRE-FENCES.



No. 142.



No. 259.



No. 624.



No. 247.

Flanged 2.

For Full-Size Sections
see Page 9.

B 1.

	No. 142.		No. 259.		No. 624.		No. 247.		per doz.
	At Works.	Len. or Dub.	At Works.	Len. or Dub.	At Works.	Len. or Dub.	At Works.	Len. or Dub.	
$1\frac{1}{2} \times \frac{5}{8}$, for Fence	3' 6"	8, 9	10/3	12, 6	9, 6	11/6	13/9	17/	"
$1\frac{1}{2} \times \frac{5}{8}$, "	3' 9"	9/	11/3	10/9	13/3	10/	12/3	14/3	17 9
$1\frac{1}{2} \times \frac{5}{8}$, "	4' 0"	9/6	12/	11/3	14/	10/6	13/	15/	18/9
$1\frac{1}{2} \times \frac{5}{8}$, "	3' 6"	10 3	12/6	11/9	14/6	11/	13/6	15/6	19/
$1\frac{1}{2} \times \frac{5}{8}$, "	3' 9"	10, 9	13, 3	12/3	15, 3	11/6	14, 3	16/	19/9
$1\frac{1}{2} \times \frac{5}{8}$, "	4' 0"	11/6	14/3	13/	16/3	12/3	15, 3	16, 9	20 9
$1\frac{1}{2} \times \frac{5}{8}$, "	4' 6"	15/	18/6	16/	19/9	15, 6	19, 3	21, 6	"
Bulb-flat,	3' 6"	10/3	12/6	11 9	14/6	11/	12/6	15/6	19/
"	3' 9"	10, 9	13, 3	12/3	15/3	11/6	14, 3	16/	19 9
"	4' 0"	11/6	14/3	13/	16/3	12/3	15, 3	16, 9	20, 9
Flanged,	3' 6"	...	...	...	...	...	...	17/	21/
"	3' 9"	...	...	...	...	...	...	17, 6	21 9
"	4' 0"	...	...	...	...	...	...	18/3	22 9
"	4' 6"	...	...	...	...	...	...	19/3	24 6
T, $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{3}{16}$	3' 6"	...	...	...	...	...	...	18, 3	22 6
"	3' 9"	...	...	...	...	...	...	19/	23 6
"	4' 0"	...	...	...	...	...	...	19 9	24, 6
T, $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$	3' 6"	...	...	...	...	...	...	20/3	25/3
"	3' 9"	...	...	...	...	...	...	21/3	26, 6
"	4' 0"	...	...	...	...	...	...	22 3	27/9
"	4' 6"	...	...	...	...	...	...	24/3	30/3

Wedges for Fixing the Wires to Standards—These are supplied, extra, at 2 p. 100 each.

STANDARDS PREPARED FOR BARB-WIRE.

The above Standards can be prepared for Barb wire, as all stated on pages 22 and 23, Figs. A, B, and E, and the extra charge is same as quoted on pages referred to.

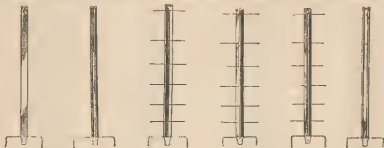
The above Prices are for quantities of not less than 6 dozen.

77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON STANDARDS for WIRE FENCES.

FLAT. BULB-FLAT. ANGLE. TEE. BULB-TEE. FLANGED.

Sizes as under. Section, page 24. Sizes as under. Section, page 29. Section, page 24.



AT WORKS IN LOTS OF NOT LESS THAN 6 DOZEN.

For Fence, 39, 42, 45, 48, 54, 72" high.

Flat, $1\frac{1}{2} \times \frac{1}{2}$ ", 6/ 6/3 6/6 6/9 ... doz.
 " $1\frac{1}{2} \times \frac{3}{8}$ ", 6/8 7/ 7/4 7/8 8/6 ... "
 " $1\frac{1}{2} \times \frac{1}{2}$ ", ... 9/ 10/ 13/ "
 Bulb-Flat, 6/8 7/ 7/4 7/6 8/6 ... "
 Flanged, 7/6 8/ 8/6 9/ 10/ 13/ "

For Fence, 42, 45, 48, 54, 72" high.

Angle, $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ ", 9/ 9/6 10/ 11/ 11/ doz.
 " $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ ", 10/9 11/6 12/3 13/3 16/3 "
 Tee, $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ ", 10/ 10/6 11/ 12/ 15/ "
 " $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ ", 12/ 12/9 13/6 14/6 18/ "
 Bulb-Tee, 13/9 14/6 15/6 16/6 20/3 "

For Fence, 16, 18, 20, 24, 30" high.

Flat, $1\frac{1}{2} \times \frac{1}{2}$ ", 2/6 2/8 2/9 3/ 3/1 per doz.
 " $1\frac{1}{2} \times \frac{1}{2}$ ", 2/8 2/11 3/2 3/6 4/ "

For Fence, 16, 18, 20, 24, 30" high.

Flat, $1\frac{1}{2} \times \frac{1}{2}$ ", 3/1 3/4 3/7 4/ 4/7 per doz.
 " $1\frac{1}{2} \times \frac{1}{2}$ ", 3/6 6/9 4/ 4/7 5/4 "

These Standards can be prepared for Barb-wires, same as shewn on pages 22 and 23.

WROUGHT-IRON SIDE-STAYS FOR WIRE FENCE STANDARDS,

INCLUDING BOLTS AND NUTS FOR FIXING TO STANDARDS.

BATTED FOR STONE.

For Fence, 39, 42, 45, 48, 54, 60, 72" high.

$\frac{3}{4}$ " square, 6/ 6/6 ... each.
 $\frac{1}{2}$ " " 7/8 8/ 8/6 9/ ... "
 $\frac{3}{8}$ " " 9/1/10 10/1/11 1/1 1/4 "
 $\frac{1}{4}$ " " 1/21 4/16 1/9 "

IF WITH WROUGHT-IRON BASES,

For Fences, 39" to 54", each 6d. extra.

" " 60" to 72", " 9d. "

SPECIAL QUOTATIONS FOR LARGE QUANTITIES.



STAY WITH BASE.



STAY FOR STONE.

77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON WINDERS AND STRAINERS, BATTED FOR STONE.

END WINDER.

ANGLE WINDER.

DOUBLE WINDER.

STRAINER.



PRICES, DELIVERED AT WORKS.

For Fence, 16, 18, 24, 30, 36, 42, 45, 48, 54, 72"

End Winders,	11" sq., 5/	5/3	5/9	7/3	8/6	...	...	...	...	...	each.
"	12" "	...	...	7/6	8/9	10/3	10/6	...	...	...	"
"	14" "	...	...	...	9/8	10/9	11/	12/3	12/9	...	"
"	16" "	...	...	...	...	11/6	11/9	13/	13/6	...	"
"	18" "	...	...	...	...	...	12/3	13/9	14/6	20/	"
Angle Winders,	12" "	5/9	6/	6/6	8/3	9/9	...	...	...	...	each.
"	14" "	...	...	...	8/6	10/	11/9	12/	...	...	"
"	16" "	...	...	...	...	10/6	12/3	12/6	14/	14/6	"
"	18" "	...	...	...	...	...	13/	13/3	14/9	15/3	"
"	20" "	...	...	...	...	...	...	13/9	15/6	16/3	22/6
Double Winders,	12" "	5/9	6/	6/6	8/3	9/9	...	...	...	...	each.
"	14" "	...	...	...	8/6	10/	11/9	12/	...	...	"
"	16" "	...	...	...	...	10/6	12/3	12/6	14/	14/6	"
"	18" "	...	...	...	...	...	13/	13/3	14/9	15/3	"
"	20" "	...	...	...	...	...	...	13/9	15/6	16/3	22/6
Strainers,	12" "	1/9	2/	2/6	...	...	...	...	...	...	each.
"	14" "	2/	2/3	2/9	3/3	3/6	...	...	...	...	"
"	16" "	...	...	...	3/6	3/9	4/3	4/6	...	...	"
"	18" "	...	...	...	...	4/3	4/9	5/	5/3	5/9	"
"	20" "	...	...	...	...	...	5/6	5/9	6/	6/6	"
"	22" "	...	...	...	...	...	...	6/3	6/9	7/6	10/
Stays, ...	Double,	...	...	...	3/	3/6	4/	4/3	4/6	5/	7/ each.
"	Solid,	1/3	1/6	2/	2/6	3/	3/6	3/9	4/	4/6	6/ "

NOTE.—No Stays are shown in the above illustrations, but they are essential at the "Ends" and "Angles" of a Fence, and the prices of them are given separately. In ordering Winders and Strainers, it is requested that the position they will be placed in the Fence be stated, so that they may be prepared to suit.

77a Queen Victoria Street, LONDON, E.C.

WINDING AND STRAINING PILLARS, WITH HEAVY IRON BASES.



No. 419.



No. 408a.



No. 468.

PRICES.

	Fences with 6 Wires.		Fences with 7 Wires.	
	At Works.	Lon. or Dub.	At Works.	Lon. or Dub.
Double-winding Pillar, No. 419, for straight lines of Fence, ...	25/	27/6	27 6	30/
Single winding Pillar, No. 468, for extreme ends of Fence, ...	23/	25/	25/	27/
Double-winding Pillar, No. 408a, specially adapted for Angles, ...	25/	27/6	27/6	30/
Square Wrought-iron Straining Pillar, No. 284, ...	15/6	17/	16/6	18/
Stays for End or Angle Pillars, with Self-fixing Bases, ...	5/6	6/	6/	6/6

WINDING BRACKETS FOR SQUARE PILLARS.



For 12, 13, 14, 15 in. sq.
1/6 1/6 1/6 1/6 each.



For 12, 13, 14, 15 in. sq.
1/6 1/6 1/6 1/6 each.



For 12, 13, 14, 15 in. sq.
1/3, 1/3, 1/3, 1/3 each.

77a Queen Victoria Street, LONDON, E.C.

MAIN'S IRON AND WIRE FENCING, WITH PATENT EARTH PLATES. NO DIGGING OF HOLES NECESSARY.



Fence No. 584 with Flanged-iron Standards. A. & J. M. & Co.'s Patent Earth Plates, while having all the rigidity of the most improved pattern of Sole Plates, made for putting into the ground, are cheaper; and as they require no digging of holes, and are without Rivets or Welds, a considerable expense is saved in the erection and up-keep of a Fence.

For Fence,
No. 584.



FULL-SIZE
SECTIONS
PAGE 9.



For Fence,
No. 626.



Fence No. 626, with H Iron standards.—This Fence is similar to above, but the Standards are of I or a half of a heavier section, while Single Plates are used instead of the Double winged ones. It has all the advantages to be gained in using A. & J. M. & Co.'s Patent Earth Plates.

STANDARDS PLACED 7 FEET APART.

Height.	Wire.	Number and Gauge of Wires.	No. 584.		No. 626.	
			At Works.	Len. or Dist. Per Yard.	At Works.	Len. or Dist. Per Yard.
3' 6"	Galvanized 7-ply Strand, Two No. 4 and four No. 6,		/11	1/	/11 1/2	1/0 1/2
3' 9"	" " One No. 3, two No. 4, and three No. 6,		1/	1/1	1/0 1/2	1/1 1/2
4' 0"	" " One No. 3, two No. 4, and four No. 6,		1/1	1/2	1/1 1/2	1/2 1/2

For Prices of Winding and Straining Pillars for above Fences, see page 27.

77a Queen Victoria Street, LONDON, E.C.

MAIN'S IRON AND WIRE FENCING, WITH PATENT EARTH PLATES. NO DIGGING OF HOLES NECESSARY.



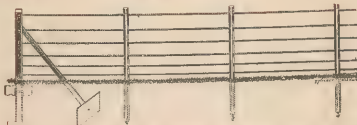
Fence No. 627, with Bulb-Tee Iron Standards. The Standards in this Fence are of A. & J. M. & Co.'s Bulb-Tee Iron, with *Patent Earth Plates*. It forms an exceptionally strong Fence, and has been largely used for fencing Railways, both at home and abroad.



Earth Plate.



FULL-SIZE SECTION, SEE PAGE 9.

Plan of
Patent Earth
Plate.

Fence No. 585, with Bulb-Tee Iron Standards. -This Fence is exactly same as above, with the exception that the Standards have no Earth Plates.

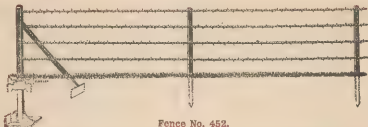
STANDARDS PLACED 7 FEET APART.

Height.	Wire.	Number and Gauge of Wires.	No. 627.		No. 585.	
			At Works.	Lon. or Dub. Per Yard.	At Works.	Lon. or Dub. Per Yard.
3' 6"	Galvanized 7 ply Strand.	Two No. 4, and four No. 6.	1/0 1/2	1/1 1/2	1/11	1/1
3' 9"	"	One No. 3, two No. 4, and three No. 6.	1/1 1/2	1/2 1/2	1/1	1/1
4' 0"	"	One No. 3, two No. 4, and four No. 6.	1/2 1/2	1/3 1/2	1/1	1/2

For Prices of Winding and Straining Pillars for above Fences, see page 27.

77a Queen Victoria Street, LONDON, E.C.

STEEL BARB-WIRE FENCING, WITH "CHANNEL" STEEL TONGUED STANDARDS.



Fence No. 452.

STANDARDS OF "CHANNEL" STEEL, PLACED 9 FEET APART.

						At Works Per Yard.	Lon. or Dub. Yard.
3' 6",	high above ground,	three lines	Four-point Barb-wire,	Barbs 6" apart,		/8	/7
3' 9",	"	four	"	"	"	7	/8
4' 0",	"	five	"	"	"	8	/9

NOTE.—If fewer or more Wires be required than are here given, the Price of one line of Barb-wire is 1d. per yard.

For Prices of Winding and Straining Pillars for above Fence. see page 27.

Full-size
Section see
page 9.



Used in Fence
No. 452.

WROUGHT-IRON GATE ARRANGED WITH BARB-WIRES.



No. 534.—This Gate is designed specially for use in Barb-wire Fences, but may be used in such positions where the Barb-wires will be found effective.

PRICE: at Works, 25; in London or Dublin, 28; with Hangings for Wood or Stone Posts. Iron Pillars as above, extra.

77a Queen Victoria Street, LONDON, E.C.

A. & J. MAIN & CO.'S "CORRIMONY" FENCE, WITH MAIN'S "HOLDFAST" DROPPERS.



Fence No. 629.

This represents the Fence as baited to stone.

For Specifications and Prices, see page 33, opposite.



A

MAIN'S "HOLDFAST" DROPPERS.

The illustrations A and B represent the front and back of the Dropper. It is formed of H Section, and on the front edges grooves are formed for the Wires to rest in. A Staple is slipped over the Wire, and put through a hole in the web of the Dropper, then turned up and down at back. This is a most simple and secure fixing.

Full-size
Bulb-
See



Section
Tee
page 9.

OVER ONE THOUSAND MILES
SUPPLIED WITH
BULB-TEE STANDARDS AND HOLDFAST DROPPERS.



B



Fence No. 630.

This represents the Fence with Patent Earth Plates, for fixing without stones.

For Specifications and Prices, see page 33, opposite.

77a Queen Victoria Street, LONDON, E.C.

SPECIFICATIONS AND PRICES.

FENCE 3 ft. 3 in. high. STANDARDS placed at 14 yards apart.

MATERIALS REQUIRED FOR ONE MILE.	Fence No. 629.		Fence No. 630.	
	Black Varnished.	Galvanized.	Black Varnished.	Galvanized.
4 Double-winding Pillars, 1½" sq.,	£2 6 0	£2 13 0	£3 16 0	£5 0 0
5 Straining Pillars, 1½" square, ...	1 0 0	1 6 3	2 17 6	3 18 9
9 Stays for Pillars, 1½" square, ...	1 9 3	2 0 6	2 0 6	2 16 3
117 Standards of "Bulb-Tee" Iron,	6 9 2	10 0 0	7 18 5	13 18 0
117 Side Stays for ditto, ½" square, ...	3 13 2	4 17 6	6 11 3	9 5 3
754 "Holdfast" H Section Droppers,	10 4 3	14 2 9	10 4 3	14 2 9
2 Miles No. 6 w.g. Steel Wire, ...	5 10 0	7 4 0	5 10 0	7 4 0
4 Miles No. 8 w.g. Steel Wire, ...	8 0 0	10 8 0	8 0 0	10 8 0
Price per Mile,	£38 11 10	£52 17 0	£46 18 4	£66 8 0

FENCE 3 ft. 9. in high. STANDARDS placed at 14 yards apart.

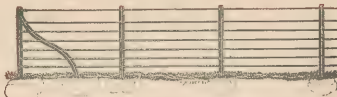
MATERIALS REQUIRED FOR ONE MILE.	Fence No. 629.		Fence No. 630.	
	Black Varnished.	Galvanized.	Black Varnished.	Galvanized.
4 Double-winding Pillars, 1½" sq.,	£2 10 0	£3 6 0	£4 0 0	£5 10 0
5 Straining Pillars, 1½" square, ...	1 5 0	1 15 0	3 2 6	4 7 6
9 Stays for Pillars, 1½" square, ...	1 13 9	2 7 3	2 7 3	3 7 6
117 Standards of "Bulb-Tee" Iron,	7 1 6	11 4 3	8 8 2	15 2 3
117 Side Stays for ditto, ½" square,	4 3 0	5 9 8	7 1 5	9 19 11
754 "Holdfast" H Section Droppers,	11 0 0	15 14 2	11 0 0	15 14 2
2 Miles No. 6 w.g. Steel Wire, ...	5 10 0	7 4 0	5 10 0	7 4 0
5 Miles No. 8 w.g. Steel Wire, ...	10 0 0	13 0 0	10 0 0	13 0 0
Price per Mile,	£43 3 3	£60 0 4	£51 9 4	£74 5 4

FENCE 6 ft. high. STANDARDS placed at 8 yards apart.

MATERIALS REQUIRED FOR ONE MILE.	Fence No. 629.		Fence No. 630.	
	Black Varnished.	Galvanized.	Black Varnished.	Galvanized.
6 Double-winding Pillars, 1½" sq.,	£6 15 0	£9 0 0	£9 9 0	£13 10 0
7 Straining Pillars, 1½" square, ...	3 10 0	4 16 3	6 18 0	9 16 0
13 Stays for Pillars, 1½" square, ...	3 18 0	5 10 6	5 4 0	7 3 0
208 Standards of "Bulb-Tee" Iron,	17 11 0	28 12 0	26 0 0	41 12 0
208 Side Stays for ditto, ½" square,	18 4 0	26 0 0	26 0 0	39 0 0
660 "Holdfast" H Section Droppers,	15 2 6	22 0 0	15 2 6	22 0 0
10 Miles No. 6 w.g. Steel Wire, ...	27 10 0	36 0 0	27 10 0	36 0 0
Price per Mile,	£92 10 6	£131 18 9	£115 18 6	£169 1 0

77a Queen Victoria Street, LONDON, E.C.

MAIN'S IRON AND WIRE FENCING, BATTED FOR STONE.



Fence No. 24.—This is a very strong description of Wire Fencing, intended for Horses and Heavy Stock. The Standards are made of A. & J. M. & Co.'s F 2 Section. FOR FULL-SIZE SECTION SEE PAGE 9.

SPECIFICATIONS:

STANDARD OF "FLANGED" IRON, PLACED 6 FEET APART.

Height.	Number and Gauge of "Best Bright" Steel Wires.	Standards, placed 6 ft. apart.	Straining and Winding Pillars alternately.
For Cattle and Sheep, 3' 9",	Two No. 4; Four No. 6,	"Flanged" Iron,	every 100 yds.
" " 4' 0",	Two No. 4; Five No. 6,	" "	" "

IRON AND WIRE FENCING FOR DEER.



SPECIFICATIONS:

STANDARDS OF "BULB-FLAT" IRON, PLACED 6 FEET APART.

Height.	Wire.	Number and Gauge of Wires.	Standards, placed 6 ft. apart.	Straining and Winding Pillars alternately.
5 feet,	"Best Bright" Steel,	Nine No. 6,	"Bulb flat" Iron,	every 100 yds.
6 feet,	" " "	Ten No. 6,	" " "	" "

When desired, the above materials may all be Galvanized, and prices for same will be quoted on application.

FOR PRICES SEE COLOURED LIST AT END.

77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON TREE GUARDS.



No. 332.



No. 332A.



No. 536.



No. 307A.

PRICES AND SPECIFICATIONS.

						PRICES.	
						At Works.	Lon. or Dub.
No. 332,	6' 0" high x 2' 3" dia.,	...	...	...	...	15/	15/6
" 332A,	6' 0" high x 1' 0" dia.,	...	...	...	...	11/3	11/6
" 536,	6' 0" high x 1' 6" dia. at bottom, and 1' 0" at top,	...	...	...	...	15/	15/6
" 307A,	6' 0" high x 1' 0" dia.,	...	...	...	...	12/3	12/6
" 537,	5' 0" high x 2' 6" dia.,	...	...	...	...	13/6	14/
" 538,	4' 6" high x 4' 6" dia. at bottom, and 5' 0" at top,	...	...	...	...	18/	18/6
" 539,	5' 0" high x 2' 6" dia. at bottom, and 1' 3" at top,	...	...	...	...	20/6	21/6



No. 537.



No. 538.



No. 539.

77a Queen Victoria Street, LONDON, E.C.

LIGHT ORNAMENTAL IRON HURDLES, FOR BORDERS, &c.

Each 6 ft. long. Sides and Horizontals, 1 in. \times $\frac{1}{2}$ in., Flat-iron. Uprights, $\frac{1}{2}$ in. dia., placed 3 in. apart.



No. 373.

12" high, $2\frac{2}{3}$ per yard.
15" " $2\frac{1}{4}$ "
18" " $2\frac{5}{8}$ "

Prices of
Hurdles Nos. 373 and
374 include delivery in
London or Dublin.



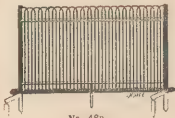
No. 374.

12" high, $2\frac{2}{3}$ per yd.
15" " $2\frac{1}{4}$ "
18" " $2\frac{5}{8}$ "

No. 48a.

Game-proof Iron Garden
Hurdles, 6' long \times 2' 6"
high, Sides, $1\frac{1}{2}$ " \times $\frac{1}{2}$ " 2
horizontal, 1" \times $\frac{1}{2}$ "
Uprights, $\frac{1}{2}$ " dia.,
placed $1\frac{1}{2}$ " apart.

At Works, Lon. or Dub.
 $2\frac{7}{8}$ $2\frac{7}{8}$ per yd.



No. 48a.

No. 48a.

Game-proof Iron Garden
Hurdles, 6' long \times
3' 0" high, Sides, $1\frac{1}{2}$ " \times
 $\frac{1}{2}$ " 3 horizontal, 1" \times
 $\frac{1}{2}$ " Uprights, $\frac{1}{2}$ " dia.,
placed $1\frac{1}{2}$ " apart.

At Works, Lon. or Dub.
 $3\frac{1}{4}$ $3\frac{1}{6}$ per yd.

GAME-PROOF IRON AND WIRE GARDEN HURDLES.

In these Hurdles the Uprights are of No. 9 Wire, placed at $1\frac{1}{2}$ in. apart; but they can be placed closer or wider at proportionate prices. The prices given below are for Hurdles 6 feet long.



No. 38.

Painted
and with
Bolts and Nuts
for
Fixing.



No. 35.



No. 36.

Nos. 35, 36, and 38.

Height.	At Lon. or Dub.	Wicks. Dub.
21" 3 Rods,	3	$3\frac{1}{2}$ per yd.
30" 4 "	"	$3\frac{5}{8}$ "
36" 4 "	"	$3\frac{9}{4}$ "

Wickets, 3 feet wide,
from $17\frac{5}{8}$ each.
Pillars, with Iron Bases,
 $30\frac{1}{2}$ per pair.

Height.	At Lon. or Dub.	Wicks. Dub.
24" 3 Rods,	2	$9\frac{3}{4}$ per yd.
30" 4 "	"	$3\frac{3}{8}$ "
36" 4 "	"	$3\frac{6}{8}$ "

Hurdles under 6 feet long are charged as if 6 feet.

77a Queen Victoria Street, LONDON, E.C.

LIGHT ORNAMENTAL IRON HURDLES.

These Hurdles are made 6 feet long each. The Sides and Horizontals are of Flat-iron, $1\frac{1}{2}$ in. by $\frac{1}{2}$ in., including Bolts and Nuts.



No. 50.



No. 55a.

Height.	Dia.	At Len. or Works, Dub. Per Yard.
2' 6", Uprights	$\frac{1}{2}$ " at $2\frac{1}{2}$ " centres,	3 3 3/6
3' 0", " "	$\frac{1}{2}$ " " 3" "	3/9 4/
3' 6", " "	$\frac{1}{2}$ " " 3" "	4/ 4/3

Height.	Dia.	At Len. or Works, Dub. Per Yard.
2' 6", Uprights	$\frac{1}{2}$ " at $2\frac{1}{2}$ " centres,	3 3 3/6
3' 0", " "	$\frac{1}{2}$ " " 3" "	3/9 4/
3' 6", " "	$\frac{1}{2}$ " " 3" "	4/ 4/3



No. 51a.



No. 56a.

Height.	Dia.	At Len. or Works, Dub. Per Yard.
2' 6", Uprights	$\frac{1}{2}$ " at $2\frac{1}{2}$ " centres,	3/6 3/9
3' 0", " "	$\frac{1}{2}$ " " 3" "	4/ 4/3
3' 6", " "	$\frac{1}{2}$ " " 3" "	4/3 4/6

Game Proof Hurdle, 6' long x 4' high, Sides $1\frac{1}{2}$ " x $\frac{1}{2}$ ", Uprights $\frac{1}{2}$ " dia., Short Uprights are 2' 6" high, $1\frac{1}{2}$ " apart,	At Len. or Works, Dub. Per Yard.
	5/10 6/

If made to suit uneven ground or curves, or if less than 60 yards are ordered, an additional charge will be made. Hurdles under 6 feet long are charged as if 6 feet.



Double-leafed Gate, 7 feet wide, 45/. Wicket Gate, 3 feet wide, 17/6
Wrought-Iron Pillars, for ditto, with Iron Bases, 30/ per pair extra.

77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON VERTICAL BAR HURDLES.



No. 18.

No. 19.

No. 18. -With Round Vertical Bars—

				Horizontals and Sides.
3' 6" high, 6 ft. long, Uprights	1" dia., placed	4" centres, ...	1" x	10"
4' 0" " " " " "	" " " "	4" " " "	1" x	10"
4' 0" " " " " "	" " " "	4" " " "	1" x	10"
4' 6" " " " " "	" " " "	4" " " "	1" x	10"
5' 0" " " " " "	" " " "	4" " " "	1" x	10"

No. 19. -With Square Vertical Bars—

				Horizontals and Sides.
3' 6" high, 6 ft. long, Uprights,	1" square, placed	4" centres, ...	1" x	10"
4' 0" " " " " "	" " " "	4" " " "	1" x	10"
4' 6" " " " " "	" " " "	4" " " "	1" x	10"
5' 0" " " " " "	" " " "	4" " " "	1" x	10"



No. 403.

No. 484.

No. 403. With Round Vertical Bars -

				Horizontals and Sides.
3' 0" high, 6 ft. long, Uprights	1" dia., placed	3 1/2" centres, ...	1" x	10"
3' 6" " " " " "	" " " "	4" " " "	1" x	10"
4' 0" " " " " "	" " " "	4" " " "	1" x	10"
4' 0" " " " " "	" " " "	4 1/2" " " "	1" x	10"

No. 484.—With Round Vertical Bars—

				Horizontals and Sides.
3' 0" high, 6' long, Uprights	1" dia., placed	5" centres in upper part,	1" x	10"
3' 6" " " " " "	" " " "	" " " "	1" x	10"
4' 0" " " " " "	" " " "	" " " "	1" x	10"

If these Hurdles require to be made to suit uneven ground or curves, or when the quantity ordered is less than 20 yards, an additional charge will be made.

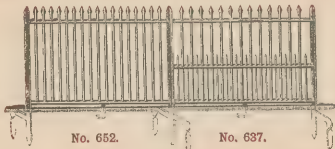
Hurdles under 6 feet long are charged as if 6 feet.

FOR PRICES SEE COLOURED LIST AT END.

77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON VERTICAL BAR HURDLES.

As supplied largely to the London and other Public Parks, County Councils, Local Boards, &c.



No. 652.

No. 637.

With Square Vertical Bars—

				Horizontal and Sides	
No. 652, 4' 0" high, 6' long each,	Uprights,	1" square, at 4" centres,	1 1/2" x 1 1/2"	Horizontal	1 1/2" x 1 1/2"
" 4' 6" " 6' "	"	" " at 4 1/2" "	1 3/4" x 1 3/4"	Sides	1 3/4" x 1 3/4"
" 5' 0" " 6' "	"	" " at 4 1/2" "	1 3/4" x 1 3/4"	Horizontal	1 3/4" x 1 3/4"
Long Uprights.				Short Uprights.	
No. 637, 4' 0" high, 6' long each,	1" square, at 5" centres,	1 1/2" square,	1 1/2" x 1 1/2"	Horizontal	1 1/2" x 1 1/2"
" 4' 6" " 6' "	" " at 5" "	" " at 5" "	1 1/2" x 1 1/2"	Sides	1 1/2" x 1 1/2"
" 5' 0" " 6' "	" " at 5" "	" " at 5" "	1 1/2" x 1 1/2"	Horizontal	1 1/2" x 1 1/2"



No. 638.

No. 639.

With Round Vertical Bars—

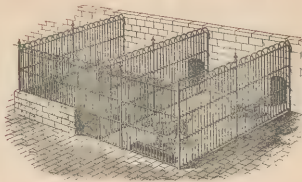
				Horizontal and Sides	
Long Uprights.		Short Uprights.			
No. 638, 3' 0" high, 6' long each,	diam., at 4 1/2" centres,	1" diam.,	1 1/2" x 1 1/2"	Horizontal	1 1/2" x 1 1/2"
" 3' 6" " 6' "	" " at 4 1/2" "	" " "	1 1/2" x 1 1/2"	Sides	1 1/2" x 1 1/2"
" 4' 0" " 6' "	" " at 5" "	" " "	1 3/4" x 1 3/4"	Horizontal	1 3/4" x 1 3/4"
" 4' 6" " 6' "	" " at 5" "	" " "	1 3/4" x 1 3/4"	Sides	1 3/4" x 1 3/4"
No. 639, 3' 0" high, 6' "	" " at 4 1/2" "	" " "	1 1/2" x 1 1/2"	Horizontal	1 1/2" x 1 1/2"
" 3' 6" " 6' "	" " at 4 1/2" "	" " "	1 1/2" x 1 1/2"	Sides	1 1/2" x 1 1/2"
" 4' 0" " 6' "	" " at 5" "	" " "	1 3/4" x 1 3/4"	Horizontal	1 3/4" x 1 3/4"
" 4' 6" " 6' "	" " at 5" "	" " "	1 3/4" x 1 3/4"	Sides	1 3/4" x 1 3/4"

If these Hurdles require to be made to suit uneven ground or curves, or when the quantity ordered is less than 20 yards, an additional charge will be made. Hurdles under 6 feet long are charged as if 6 feet.

FOR PRICES SEE COLOURED LIST AT END.

77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON DOG KENNEL RAILING.



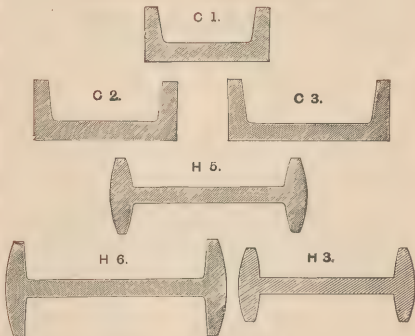
The above illustration represents a neat and inexpensive design for enclosing Kennel Yards. The Railing is made of Wrought-iron, in panels 6 feet long, and is fitted to strong Standard, with Bolts and Nuts. There are two arrangements shown in the illustration: the one represents a Railing fixed up to a stone wall; while in the other the Railing is carried down to the ground, and can be fixed either into stone, or set in the ground with iron feet.

SPECIFICATIONS AND PRICES.

Railing 5' high, with uprights $3\frac{1}{2}$ " dia., placed $2\frac{1}{2}$ " apart centres, 3 Horizontal Copes $1\frac{1}{2}$ " by $1\frac{1}{2}$ ", and 1 Standard $1\frac{1}{2}$ " by $3\frac{1}{2}$ ", with Anchor Feet to every 6' length,				8/	per yd.
Railing 6' high, to same specification,				9/	"
Railing 5' high, with uprights $3\frac{1}{2}$ " dia., placed 3" apart centres, 3 Horizontal Copes $1\frac{1}{2}$ " by $1\frac{1}{2}$ ", and 1 Standard $1\frac{1}{2}$ " by $3\frac{1}{2}$ ", with Anchor Feet to every 6' length,				8/6	"
Railing 6' high, to same specification,				10/	"
Railing 6' high, with uprights $3\frac{1}{2}$ " dia., placed $3\frac{1}{2}$ " apart centres, 3 Horizontal Copes $1\frac{1}{2}$ " by $1\frac{1}{2}$ ", and 1 Standard $1\frac{1}{2}$ " by $3\frac{1}{2}$ ", with Anchor Feet to every 6' length,				12/9	"
Railing 7' high, to same specification, but with 4 Horizontal Copes,				11/6	"
Gates to match above, 2' 6", without Sheet-iron at bottom, 5' uprights $3\frac{1}{2}$ " dia.,				27/	each.
"	"	"	"	5',	" 28/
"	"	"	"	6',	" 28/
"	"	"	"	6',	" 30/
"	"	"	"	7',	" 32/
"	"	"	"	7',	" 35/
If with Sheet-iron at bottom, 7/6 each Gate extra.					
Wrought-iron Pillars, for Gates or Corners, $1\frac{1}{2}$ " sq., with Base, 5' high,				12/6	"
"	"	"	"	6'	" 14/
"	"	"	"	7'	" 16/

77a Queen Victoria Street, LONDON, E.C.

MAIN'S CONTINUOUS VERTICAL BAR RAILING,
WITH
STANDARDS OF H STEEL, FREE FROM WELDS OR RIVETS.
A. & J. M. & CO.'S PATENT EARTH PLATES,
AND
HORIZONTAL BARS OF CHANNEL STEEL SECTION.



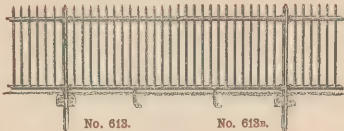
FULL-SIZE SECTIONS
FOR
STANDARDS AND HORIZONTAL BARS.

Complete Specifications of these Railings are given on pages 42 and 45,
but modifications may be adopted, and Prices will be given for
any other Specifications that may be preferred.

77a Queen Victoria Street, LONDON, E.C.

MAIN'S CONTINUOUS VERTICAL BAR RAILINGS,

WITH H STEEL STANDARDS AND PATENT EARTH PLATES.
NO DIGGING OF HOLES IN GROUND NECESSARY.



No. 613.

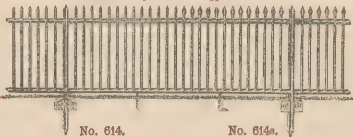
No. 613a.

For full-size Sections of Horizontal Bars and Standards see page 41.

Made in Lengths of 9 feet, with Solid Vertical Bars.

Height.	Uprights.	Horizontal.	Standards.
3' 6"	$\frac{1}{2}$ " diam., at 4" centres,	C 1,	H 3.
4' 0"	" " " 4" "	C 1,	H 3.
4' 6"	" " " 4 $\frac{1}{2}$ " "	C 2,	H 5.
4' 6"	" " " 4 $\frac{1}{2}$ " "	C 2,	H 5.
5' 0"	" " " 4 $\frac{1}{2}$ " "	C 2,	H 5.
6' 0"	" " " 5" "	C 3,	H 6.

NOTE.—Above Specifications can be had with TUBULAR VERTICAL BARS up to 1 inch diameter. Quotations on application.



No. 614.

No. 614s.

For full-size Sections of Horizontal Bars and Standards see page 41.

Made in Lengths of 9 feet, with solid Vertical Bars.

Height.	Uprights.	Horizontal.	Standards.
3' 6"	$\frac{1}{2}$ " sq., at 4" centres,	C 1,	H 3.
4' 0"	" " " 4" "	C 1,	H 3.
4' 6"	" " " 4 $\frac{1}{2}$ " "	C 2,	H 5.
4' 6"	" " " 4 $\frac{1}{2}$ " "	C 2,	H 5.
5' 0"	" " " 4 $\frac{1}{2}$ " "	C 2,	H 5.
6' 0"	" " " 5" "	C 3,	H 6.

When required, Size Standards supplied for Standards, and are charged extra.
If above Railings require to be made to suit uneven ground or curves, or when the quantity ordered is less than 20 yards, an additional charge will be made.

FOR PRICES SEE COLOURED LIST AT END.

77a Queen Victoria Street, LONDON, E.C.

MAIN'S CONTINUOUS VERTICAL BAR RAILINGS,

WITH H STEEL STANDARDS AND PATENT EARTH PLATES.
NO DIGGING OF HOLES IN GROUND NECESSARY.



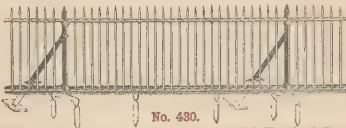
No. 615.

No. 616.

For full-size Sections of Horizontal Bars and Standards see page 41.

Made in Lengths of 9 feet, with Solid Vertical Bars.

Height above Ground.	Uprights. diam., at 31" centres,	Horizontal Bars.	Standards.
3' 0"	1 1/2"	1 1/2" x 3/8"	H 3.
3' 0"	1 1/2"	C 1,	H 3.
3' 6"	1 1/2"	C 1,	H 3.
4' 0"	1 1/2"	C 1,	H 3.
4' 0"	1 1/2"	C 2,	H 5.
4' 6"	1 1/2"	C 2,	H 5.



No. 430.

Made in Lengths of 9 feet, with Solid Vertical Bars.

Height above Ground.	Uprights. diam. or sq., at 4" centres.	Horizontal Bars.	Standards.
3' 6"	1 1/2" diam. or 1 1/2" sq.	1 1/2" x 3/8"	1 1/2" x 4"
4' 0"	1 1/2" diam. or 1 1/2" sq.	1 1/2" x 3/8"	1 1/2" x 4"
4' 0"	1 1/2" diam. or 1 1/2" sq.	1 1/2" x 3/8"	1 1/2" x 4"
4' 6"	1 1/2" diam. or 1 1/2" sq.	1 1/2" x 3/8"	1 1/2" x 4"
5' 0"	1 1/2" diam. or 1 1/2" sq.	1 1/2" x 3/8"	1 1/2" x 4"
6' 0"	1 1/2" diam. or 1 1/2" sq.	1 1/2" x 3/8"	1 1/2" x 4"

NOTE.—Above Specifications (No. 430) can be had with TUBULAR VERTICAL BARS up to 1 inch diameter. Quotations on application.

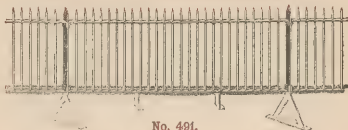
When required, Side Stays are supplied for Standards, and are charged extra.

If these Railings require to be made to suit uneven ground or curves, or when the quantity ordered is less than 20 yards, an additional charge will be made.

FOR PRICES SEE COLOURED LIST AT END.

77a Queen Victoria Street, LONDON, E.C.

MAIN'S CONTINUOUS VERTICAL BAR RAILINGS, WITH FLAT-IRON STANDARDS.



No. 491.

Made in Lengths of 9 feet, with Solid Vertical Bars.

Height above Ground.	Uprights.	Horizontal Bars.	Standards.
3' 0"	1" diam. or 1" sq., at 4" centres,	1 1/2" x 1/2"	1 1/2" x 1 1/2"
4' 0"	" " 1 1/2" " " 4" "	1 3/4" x 1 3/4"	1 3/4" x 1 3/4"
4' 6"	" " 1 3/4" " " 4 1/2" "	1 3/4" x 1 3/4"	1 3/4" x 1 3/4"
4' 6"	" " 1 3/4" " " 4 1/2" "	1 3/4" x 1 3/4"	1 3/4" x 1 3/4"
5' 0"	" " 1 3/4" " " 4 1/2" "	1 3/4" x 1 3/4"	1 3/4" x 1 3/4"
6' 0"	" " 1 3/4" " " 5" "	1 3/4" x 1 3/4"	1 3/4" x 1 3/4"

NOTE.—Above Specifications can be had with TUBULAR VERTICAL BARS up to 1 inch diameter. Quotations on application.



No. 532.

Made in Lengths of 9 feet, with Solid Vertical Bars.

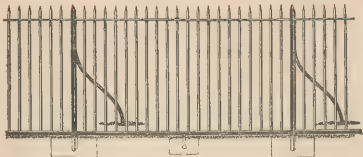
This illustration represents a Railing the same as above (No. 491), but with the Standards prolonged about 6 inches, in order to carry a horizontal line of Steel Barbed wire. By this means a perfectly impassable Fence can be relied upon. The same arrangement can be applied to any of the foregoing Railings; and the extra cost is 2d. per lined yard on any of the Specifications. More than one Barbed wire may be used, and the Standards carried to any height desired.

When required, Side Stays are supplied for Standards, and are charged extra. If these Railings require to be made to suit uneven ground or curves, or when the quantity ordered is less than 50 yards, an additional charge will be made.

FOR PRICES SEE COLOURED LIST AT END.

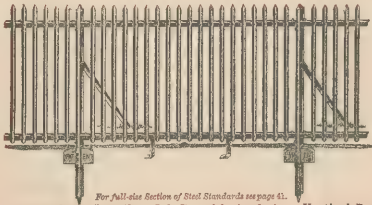
77a Queen Victoria Street, LONDON, E.C.

MAIN'S CONTINUOUS EXTRA STRONG VERTICAL RAILINGS.



No. 533H. Made in Lengths of 9 feet, with Solid Vertical Bars.

Height above Ground.	Uprights.	Horizontal Bar.	Standards, Ball 1 1/2 stone.	Side stays, Ball 1 stone.
5' 0",	square, at 6" centres,	C 3,	H 6,	3/4" square.
5' 6",	" " 6" "	C 3,	H 6,	" "
6' 0",	" " 6" "	C 3,	H 6,	" "
6' 6",	" " 6" "	C 3,	H 6,	" "



For full-size Section of Steel Standards see page 41.

No. 617.—Made in Lengths of 9 ft., with Angle-iron Vertical Bars.

Height above Ground.	Angle-iron Uprights.	Horizontal Bars, Angle-iron.	Standards, with Plate Boss. Angle-iron.	Side stays, with Plate Boss. Angle-iron.
5' 0",	1" x 1" x 3/8", at 3 1/2" apart in the clear,	1 1/2" x 1 1/2" x 1/4",	H 6,	1" x 1" x 3/8"
5' 6",	1 1/2" x 1 1/2" x 3/8", " "	1 3/4" x 1 3/4" x 1/4",	H 6,	1 1/8" x 1 1/8" x 3/8"
6' 0",	1 3/4" x 1 3/4" x 3/8", " "	1 7/8" x 1 7/8" x 1/4",	H 6,	1 3/8" x 1 3/8" x 3/8"
6' 6",	1 7/8" x 1 7/8" x 3/8", " "	1 7/8" x 1 7/8" x 1/4",	H 6,	1 3/8" x 1 3/8" x 3/8"

If these Railings require to be made to suit uneven ground or curves, or if the quantity ordered is less than 20 yards, an additional charge will be made.

FOR PRICES SEE COLOURED LIST AT END.

77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON VERTICAL BAR WICKETS.



No. 488.



No. 618.

No. 488.—With Round or Square Vertical Bars			At Works.	Len. or Dub.
3' 6" wide x 3' 6" to 4' 0" high, Uprights	$\frac{3}{4}$ "	...	22/6	25/ each.
3' 6" " x 4' 0" to 4' 6" " "	$\frac{5}{8}$ "	...	27/6	30/ "
4' 0" " x 5' 0" to 6' 0" " "	$\frac{5}{8}$ "	...	30/	32/6 "

No. 618. With Round or Square Vertical Bars—			At Works.	Len. or Dub.
3' 6" wide x 3' 6" to 4' 0" high, Uprights	$\frac{5}{8}$ "	...	30/	32/6 each.
3' 6" " x 4' 0" to 4' 6" " "	$\frac{5}{8}$ "	...	35/	37/6 "
4' 0" " x 5' 0" to 6' 0" " "	$\frac{5}{8}$ "	...	37/6	40/ "

Square Wrought-iron Pillars for Wickets—

3' 6" to 4' 6" high, ...	{with Self-fixing Bases,...	...	30/	30/ per pair.
	{for Stone, ...	...	20/	20/ "
5' 0" to 6' 0" " ...	{with Self-fixing Bases,...	...	40/	40/ "
	{for Stone, ...	...	25/	25/ "

Wickets to match Hurdles Nos. 403 and 484 will be charged same price as No 618.



This Gate can be made with BRACING BARS, as No. 620, page 47, at 15/ extra.

No. 490. With Round or Square Vertical Bars—

Width.	Height.	GATE.		CAST-IRON PILLARS, with Self-fixing Bases.		CAST-IRON PILLARS FOR STONE.	
		At Works.	Len. or Dub.	At Works.	Len. or Dub.	At Works.	Len. or Dub.
9' 0" x 3' 6" to 4' 0", Uprights		$\frac{3}{4}$ "	60/ 65/ each,	40/ 45/ per pair,		30/ 35/ per pair.	
9' 0" x 4' 0" to 4' 6", "		$\frac{7}{8}$ "	70/ 75/ "	42/6 47/6 "		32/6 37/6 "	
9' 0" x 5' 0" to 6' 0", "		$\frac{5}{8}$ "	85/ 90/ "	52/6 57/6 "		42/6 47/6 "	

If Gates are made to match Hurdles Nos. 403 and 484, or Railings Nos. 615 and 616, the prices would be from 10/ to 15/ extra. Locks and Keys, 15/ extra.

77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON VERTICAL BAR GATES.



No. 602.

This Gate is made with Square Uprights, so as to match Railings Nos. 614 and 614s. on page 42, the size of Uprights being same as in Specifications of Railings. It can be made Single-leafed if preferred.

Square Vertical Bars—	GATE.		CAST-IRON PILLARS, with Self-fixing Bases.		CAST-IRON PILLARS FOR STONE.	
	At	Lab. or Works. Dub.	At	Lab. or Works. Dub.	At	Lab. or Works. Dub.
9' wide x 3' 6" to 4' high, ...	80/	85/ each,	40/	45/ per pair,	30/	35/ per pair.
9' " x 5' 0" high, ...	90/	95/ "	42/6	47/6 "	32/6	37/6 "
10' " x 6' 0" " ...	105/	110/ "	52/6	57/6 "	42/6	47/6 "

Lock and Keys, 15/ extra.



No. 612.

EXTRA STRONG GATE, made to match Railing No. 617, on page 45. The Uprights are of Angle-iron, same size as in Specification of Railing.

Angle-iron Vertical Bars—

	GATE.		CAST-IRON PILLARS WITH IRON BASES,		CAST-IRON PILLARS FOR STONE,	
	At	Lab. or Works. Dub.	At	Lab. or Works. Dub.	At	Lab. or Works. Dub.
10' wide x 5' 0" high, ...	100/	107/6 each,	52/6	57/6 per pair	42/6	47/6 per pair.
10' " x 5' 6" " ...	105/	112/6 "	57/6	62/6 "	47/6	52/6 "
10' " x 6' 0" " ...	112/6	120/ "	62/6	67/6 "	52/6	57/6 "
10' " x 6' 6" " ...	122/6	130/ "	67/6	72/6 "	57/6	62/6 "

Lock and Keys, 15/ extra.

77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON BALUSTER HEADS.

SPECIAL QUOTATIONS FOR LARGE QUANTITIES.

PRICES
PER 100 HEADS.



No. 4.
diam., 88/
" 57/6
" 32/6



No. 1.
sq., 120/
diam., 50/
" 38/6



No. 11.
sq., 72/



No. 3.
1 3/4" diam., 16/
1 1/2" " 12/

PRICES
PER 100 HEADS.



No. 2.
diam., 33/6
" 23/
" 16/



No. 10.
diam., 57/6
" 38/6
" 23/6



No. 13.
1 3/4" diam., 93/6



No. 6.
diam., 29/6
" 23/
" 16/



No. 8.
diam., 112/
7 3/4" " 73/6
1 1/2" " 51/6



No. 7.
diam., 36/6
" 28/6
" 18/6



No. 12.
5" diam., 72/

Orders amounting to £5, Carriage paid to any Railway Station.

77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON ENTRANCE GATES.



No. 631.

		At Works.	Len. or Dub.
Gate 10' wide x 4' 6" high to Bar on top, 5 Horizontal Bars, ...		£5 15 0	£6 5 0
Gate 10' " x 5' 0" " " 6 " " " ...		6 0 0	6 10 0
Wicket 4' wide x 1' 6" high " 5 " " " ...		2 5 0	2 7 6
Wicket 4' " x 5' 0" " " 6 " " " ...		2 7 6	2 10 0
Massive Cast-iron Pillars, 8" sq. in Shaft, for Stone, per pair,		6 10 0	7 10 0

If Gate is made Double-leafed, 15. extra. Lock and Keys, 12/6 extra.



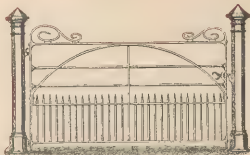
No. 382A.—The Ornaments on Balusters are Cast-iron, otherwise the Gate is wholly Wrought-iron.

		At Works.	Len. or Dub.
Gate 10' wide x 5' 0" high, Balusters $\frac{5}{8}$ " dia., Dwarfs $\frac{3}{4}$ " dia.,		£10 5 0	£10 15 0
Gate 11' " x 5' 6" " " $\frac{5}{8}$ " " $\frac{3}{4}$ " "		11 10 0	12 0 0
Ornamental Cast-iron Pillars, $4\frac{1}{2}$ " sq. for Stone, per pair,		3 5 0	3 15 0

The above designs can be varied in size to suit special requirements. Estimates will be given for Architects' own Designs. Packing charged extra, at cost price: not returnable.

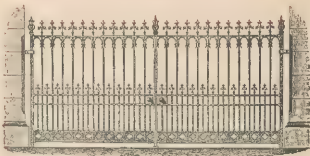
77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON ENTRANCE GATES.



No. 483.

	At Works.	Lon. or Dub.
Gate 9' wide x 4' 0" high to Top Bar, 5 Horizontal Bars. ...	£5 0 0	£5 10 0
Gate 10' " x 4' 6" " " 5 " " ...	5 10 0	6 0 0
Octagon Cast-iron Pillars for Stone, 6" dia., per pair,...	4 10 0	5 5 0
If Gate is made Double-leafed, 15/6 extra. Lock and Keys, 12/6 extra.		



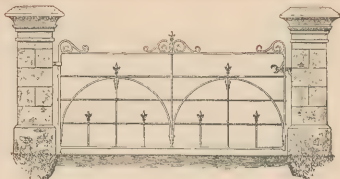
No. 428.—This Gate is made wholly of Wrought iron, except the Ornaments at Back and Striking Bars, which are Cast-iron. The Heads are Pattern No. 8, page 43.

	At Works.	Lon. or Dub.
Gate 10' wide x 5' 0" high, Balusters, $\frac{5}{8}$ " sq., Dwarfs $\frac{1}{2}$ " sq., ...	£15 10 0	£16 5 0
Gate 11' " x 5' 6" " " $\frac{5}{8}$ " " " $\frac{5}{8}$ " " ...	17 0 0	17 15 0

The above Designs can be varied in size to suit special requirements. Estimates will be given for Architects' own Designs. Packing charged extra, at cost price: not returnable.

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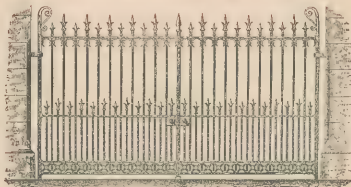
WROUGHT-IRON ENTRANCE GATES.



No. 436.

		At Works.	Len. or Dub.
Gate 9' wide × 4' 0" high to Top Bar, 5 Horizontal Bars,		£6 5 0	£8 15 0
Gate 10' " × 4' 6" " " 6 " " "		6 15 0	7 5 0

If Gate is made Double-leafed, 15/ extra. Lock and Keys, 12/6 extra.



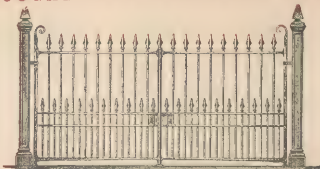
No. 425.—The Ornaments in the lower part of this Gate are Cast-iron, all the other parts being Wrought-iron.

Gate 11' wide × 6' 6" high, Balusters 3" sq., Dwarfs 3" sq.,	At Works.	Len. or Dub.
Heads Patterns Nos. 11 and 2, page 48,	£15 10 0	£16 10 0

The above Designs can be varied in size to suit special requirements. Estimates will be given for Architects' own Designs. Packing charged extra, at cost price: not returnable.

77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON ENTRANCE GATES.



No. 77. This Gate is made entirely of Wrought iron. The Heads are Pattern No. 6, page 48.

Width.	Height.		At Works.	Len. or Dub.
Gate 10' x 5' 0",	Balusters $\frac{5}{8}$ " diam.,	Dwarfs $\frac{1}{2}$ " diam.,	£9 5 0	£9 15 0
Gate 11' x 5' 6",	" $\frac{5}{8}$ "	" $\frac{5}{8}$ "	10 10 0	11 5 0
Cast-iron Pillars,	$\frac{4}{8}$ " square,	for Stone, per pair,	3 5 0	3 15 0

If with Latch and Catch instead of Lock, 12/6 less.



No. 632.—This is a new Design in Wrought-iron throughout, excepting the Rosettes, which are of Cast-iron.

	At Works.	Len. or Dub.
Gate 10' wide x 5' 0" high to top of Scrolls. ...	£9 15 0	£10 5 0
Gate 11' " x 5' 6" " ...	10 5 0	10 15 0
Ornamental Cast-iron Pillars for Stone, per pair.	4 0 0	4 15 0

The above Designs can be varied in size to suit special requirements. Estimates will be given for Architects' own Designs. Packing charged extra.
at cost price: not returnable.

77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON ENTRANCE GATES.



No. 73.—This is a simple but pleasing design, made entirely of Wrought-iron.

	At Works,	Lon. or Dub.
Gate 9' wide x 4' 0" high, Balusters 1" dia., Dwarfs 1" dia., ...	£5 5 0	£5 15 0
Gate 10' " x 4' 6" " " " " " "	5 10 0	6 0 0
Gate 10' " x 4' 6" " " " " " "	6 0 0	6 10 0
Octagon Cast-Iron Pillars for Stone, ... per pair,	1 15 0	2 0 0

If with Lock and Keys, 12/5 extra.



No. 427.—This Gate is entirely constructed of Wrought iron: the design is chaste and of handsome appearance.

Gate 11' wide x 6' high, Balusters $\frac{3}{4}$ " square, Heads Pattern							At Works	L. n. of Dub.	
No. 11, page 48,	...	...	...	...	...	...	£20 0 0	£21 0 0	

The above Designs can be varied in size to suit special requirements. Estimates will be given for Architects' own Designs. Packing charged extra, at cost price; not returnable.

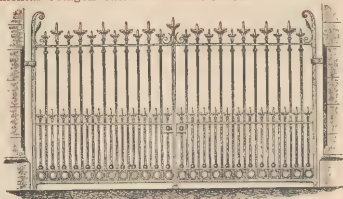
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WROUGHT-IRON ENTRANCE GATES.



No. 633.—This is a new Design, made entirely of Wrought iron.

Width.	Height.	Square	Square	At Works.	Lon. or Dub.
Gate 10' x 5' 0"	to top of Scrolls, Balusters	5' 0"	Dwarfs 5' 0"	£11 5 0	£12 0 0
Gate 11' x 5' 6"	"	5' 6"	" 5' 6"	11 15 0	12 10 0
Ornamental Octagon Cast-iron " Pillars, per pair,				4 0 0	4 15 0



No. 429. This Gate is entirely of Wrought-iron, except the enrichments in lower part, which are Castings.

Width.	Height.	Square.	Square.	At Works.	Lon. or Dub.
Gate 10' x 5' 6"	Balusters	5' 6"	Dwarfs 5' 6"	£14 10 0	£15 5 0
Gate 11' x 6' 0"	"	6' 0"	" 6' 0"	16 10 0	17 10 0

The above Designs can be varied in size to suit special requirements. Estimates will be given for Architects' own Designs. Packing charged extra, at cost price: not returnable.

77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON WICKET GATES.

The Prices quoted below are for Delivery in GLASGOW, LONDON, or DUBLIN.



No. 409.—3 ft. 9 in. high by 3 ft. 6 in. wide, with Latch and Catch, and Mountings for Stone or Wood Posts, £1 5 0

Cast-iron Pillars for fixing to
Stone, per pair, 1 10 0



No. 372.—4 ft. high by 3 ft. 6 in. wide, with Latch and Catch, and Mountings for Stone or Wood Posts, £4 5 0

Cast-iron Pillars for fixing to
Stone, per pair, 1 10 0



No. 83.—3 ft. 9 in. high by 3 ft. 6 in. wide, with Latch and Catch, and Mountings for Stone or Wood Posts, £1 15 0

Cast-iron Pillars for fixing to
Stone, per pair, 1 10 0



No. 634.—4 ft. high by 3 ft. 6 in. wide, with Lock and Keys, and Hangings for Stone or Wood Posts, £3 5 0

Any of the Cast-iron Pillars on this page can be used with this Wicket.



No. 410.—3 ft. 9 in. high by 3 ft. 6 in. wide, with Latch and Catch, and Mountings for Stone or Wood Posts, £1 10 0

Cast-iron Pillars for fixing to
Stone, per pair, 1 10 0



No. 635.—4 ft. high by 3 ft. 6 in. wide, with Lock and Keys, £3 0 0

Cast-iron Pillars for fixing to
Stone, per pair, 1 15 0

Packing charged extra, at cost price: not returnable.

77a Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON WICKETS AND RAILINGS.



	At Works.	Len. or Dub.
No. 431.—Wicket 3' 6" wide x 4' 6" high, ...	95/	100/
Cast-iron Pillars for fixing to Stone, ... per pair	60/	65/
Railing 2' 6" high, Balusters $\frac{1}{2}$ " dia., at 5" centres, per foot.	5/3	6/6



	At Works.	Len. or Dub.
No. 432.—Wicket 3' 6" wide x 4' 6" high, ...	65/	70/
Cast-iron Pillars for fixing to Stone, ... per pair	30/	35/
Railing 2' 6" high, Balusters $\frac{1}{2}$ " dia., at 4 $\frac{1}{2}$ " apart, per foot,	3/3	3/6



	At Works.	Len. or Dub.
No. 433.—Wicket 3' 6" wide x 4' 6" high, with Wrought-iron Pillars for Stone ...	85/	92/6
Railing 1' 6" high, with Balusters $\frac{1}{2}$ " diam., including One Wrought-iron Pillar and Stay for Stone to every 9', per foot.	7/	7/6
Packing charged extra, at cost price: not returnable.		

77a. Queen Victoria Street, LONDON, E.C.

WROUGHT-IRON TOMB AND BALCONY RAILINGS.



No. 449.

Railing 2' high from Stone Cope to Top Horizontal Bar. Balusters At Works Len. or Del.
 $\frac{3}{4}$ " square on the flat, prepared for batting into Stone, per foot. ... 8/6 9/



No. 450.

Railing 2' high from Stone Cope to Top Horizontal Bar. Balusters At Works Len. or Del.
 $\frac{3}{4}$ " sq. on the flat, for batting into Stone, Dwarfs $\frac{3}{4}$ " sq. per foot. 10/3 10/9



No. 304.

	At Works.	Len. or Del.
Railing 2' 0" high, per foot.	4/	3/3
" 2' 6" " "	4/6	4/9
" 3' 0" " "	5/	5/3
Corner Pillars for Stone, each	1/9	5/3
" " with Bases, "	6/	6/6

No. 303.

	At Works.	Len. or Del.
Railing 2' 0" high, per foot.	2/9	3/
" 2' 6" " "	3/	3/3
" 3' 0" " "	3/3	3/6
Corner Pillars for Stone, each	7/	7/6
" " with Bases, "	8/6	9/

Packing charged extra, at cost price: not returnable.

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WROUGHT-IRON RAILINGS.



No. 444.

	At Works	Lon. or Dist.
Railing 3' 0" high, Balusters $\frac{3}{4}$ " sq., at 5" centres, per foot,	4/6	5/
Railing 3' 6" high, Balusters $\frac{3}{4}$ " sq., at 5" centres, per foot,	5/	5/6
Railing 4' 0" high, Balusters $\frac{3}{4}$ " sq., at 5" centres, per foot,	5/6	6/



No. 443.

	At Works	Lon. or Dist.
Railing 3' 0" high, Balusters $\frac{3}{4}$ " sq., at 5" centres, per foot,	5/	5/6
Railing 3' 6" high, Balusters $\frac{3}{4}$ " sq., at 5" centres, per foot,	5/6	6/
Railing 4' 0" high, Balusters $\frac{3}{4}$ " sq., at 5" centres, per foot,	6/6	7/3



No. 441.

	At Works	Lon. or Dist.
Railing 3' 6" high, Balusters $\frac{3}{4}$ " sq., at 5" centres, per foot,	12/	13/
Railing 4' 0" high, Balusters $\frac{3}{4}$ " sq., at 5" centres, per foot,	13/	14/



No. 442.

	At Works	Lon. or Dist.
Railing 3' 6" high, Balusters $\frac{3}{4}$ " sq., at 5" centres, per foot,	11/	12/
Railing 4' 0" high, Balusters $\frac{3}{4}$ " sq., at 5" centres, per foot,	12/	13/

WROUGHT AND CAST IRON GATE STOPS.



No. 1, ... 7/6.



No. 2, ... 5/.



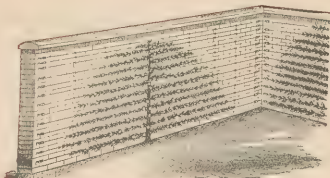
No. 3, ... 5/6.



No. 4, ... 4/6.


77a Queen Victoria Street, LONDON, E.C.

THE FRENCH SYSTEM OF WIRING GARDEN WALLS FOR TRAINING FRUIT TREES.



This is a simple method of Wiring Walls for training Fruit Trees. The Wires run horizontally, and usually placed about 9 inches apart, and are supported by passing through Eyes driven into the wall about every 10 f. l. At the end of each line of Wire, Terminal Holdfasts are fixed, to which either Screw Eye Bolts or Raidisseurs are attached, by means of which the Wires are strained tight. In this way the walls are not injured, as is the case when nails and shreds are used; while the trees are kept comparatively free from insects.

PRICES OF MATERIALS.

Galvanized Wire, No. 12 gauge,  2/6 per 100 yds.

" " No. 14 gauge,  2/ " "

GALVANIZED "CLIMAX" EYES AND HOLDFASTS.



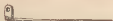
"CLIMAX" EYE.

Usually placed 10 feet apart.

2 1/2" long, ... 1d. per dozen.

3" " ... 5d. "

4" " ... 7d. "



TERMINAL HOLDFAST.

To which Raidisseur is attached.

6" long, ... 2/ per dozen.



TERMINAL HOLDFAST.

To which Screw Eye-bolt is attached.

6" long, ... 1/6 per doz.

GALVANIZED SCREW EYE-BOLTS AND RAIDISSEURS.



GALVANIZED BOLTS.

Capable of straining 50 yards.

Per dozen, ... 2/

Keys for do., each, 4d.

GALVANIZED RAIDISSEURS

Capable of straining 50 yards.

Per dozen, ... 3/

Keys for do., each, 4d.

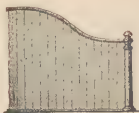


77a Queen Victoria Street, LONDON, E.C.

IMPROVED IRON STABLE FITTINGS.

The PLAIN DIVISION for Wood Traversing consists of HEEL-POST, SILL, and RAMP Rail, all of which are grooved for Wood Traversing, $1\frac{1}{2}$ ", $1\frac{3}{4}$ ", or 2" thick.

The STALL DIVISION, with OPEN IRON WORK, consists of HEEL-POST, TOP, MID, and BOTTOM RAILS.



No. 9
HEEL-POST.



STALL DIVISIONS, for Wood Traversing, 10' long, fitted and Painted -	At Works.	Lon. or Dub.
With No. 16 Heel-post (as above), Ramp, and Sill, for $1\frac{1}{2}$ " Wood, per Set,	42/	45/
With No. 14 " (Ball Head), " "	42/	45/
Half-posts, Ramps, and Sills for Walls, two-thirds of above.	"	"

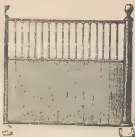
STALL DIVISIONS, with Open Iron Work, 30" high, 10' long, fitted and Painted—	At Works.	Lon. or Dub.
With No. 16 Heel-post (as above), Top, Mid, and Bottom Rails, per Set,	67/6	75/
With No. 14 " (Ball Head), " "	67/6	75/
Horse or Pine Head fitted to any of above Posts, 3/6 extra to above prices.		

Half posts for head of Stalls, to correspond with Heel-post, each extra,	At Works.	Lon. or Dub.
Brass Pulleys and Iron Weights to run inside Posts, ...	15/	16/
Brass Rings fitted to Posts, ...	13/6	13/6
	3/6	3/6

LOOSE-BOX DIVISION.

Loose-box Divisions, with Plain and Ornamental Open Work, with Doors to match; fitted with Flush Bolts, and with and without Woodwork.

Estimate on receipt of dimensions required.



No. 14 Post, Ball Head.
No. 3 Open Iron Work.

Posts, 7 $\frac{1}{2}$ ' high, 35/ each
Fitting to carry Doors, when required, extra.
Open Work, 30" high, and Bottom Rail for purchaser's Boarding, 7/6 per foot run.
Doors, with Flush Latches fitted, to take purchaser's Woodwork—
3' 6" wide, 80/; 4' wide, 95/ each.

77a Queen Victoria Street, LONDON, E.C.

IRON RACKS AND MANGERS—Painted.**CORNER MANGER.**

	At Works.	Lon. or Dub.
30" wide, ...	7/	7 6
36" " ...	8/3	9

If Galvanized, 4/6 extra.

FLAT HAY RACK.

	At Works.	Lon. or Dub.
30" wide, ...	5/	6/
36" " ...	7/	8/
42" " ...	9 6	10 6

If Galvanized, 30 in., 3/6;
36 in., 5/; 42 in., 6/6 extra.**CORNER HAY RACK.**

	At Works.	Lon. or Dub.
33" wide, ...	7/	8/

If Galvanized, 4/6 extra.

MANGER AND RACK, FOR CORNER.**No. 34.**

At Works, 32/6; London or Dublin, 37/6.

**MANGER, RACK, AND
GRUEL POT.****No. 18.**At Works, 31/; London
or Dublin, 38/.**MANGER, RACK, AND GRUEL POT.****No. 30.**

At Works, 37/6; London or Dublin, 39/6.

**MANGER, RACK, AND
GRUEL POT.****No. 23.**At Works, 14/; London or
Dublin, 49/6.

Glasgow, Lon. or Dub.

Fitting Manger Sets with Brass Brushes, extra, each,	...	2/6
Fitting Manger Sets with Friction Rollers, extra, each,	...	4/6
Iron Fastenings for ends of Top Plates, extra, per set,	...	2/
Fitting Gruel Pots with Brass Plug or Cock, extra, each,	...	4/
Galvanizing complete Set, 22/6; Top Plate and Rack,	...	12/6
Enamelling Mangers and Gruel Pots, extra.	Quotations on application.	

STABLE GUTTERING.

This Guttering is made with Loose Cover to lift off for cleaning.

Price per foot at Works, 1/9; in Lon. or Dub., 2/8.

Angles for Guttering, right and left, each, at Works, 3/; Lon. or Dub., 4/.

T Pieces, at Works, 4/9; in Lon. or Dub., 5/9. Cross Pieces, at Works, 5/9; in
Lon. or Dub., 6/9.Drain Gratings and Frames, 12 in., 2/3 each. Horse and Mare Pots, 9 in., 3/6;
10 in., 4/; 12 in., 6/ each. Outlets, 9d. each extra.

77a Queen Victoria Street, LONDON, E.C.

HARNESS-ROOM FITTINGS.

No. 174.—WROUGHT IRON
COLLAR HOLDER.No. 180.—WROUGHT IRON
PAD BRACKET.No. 173.—DRIVING BRIDLE
BRACKET.No. 175.—LATES WROUGHT
IRON RIDING SADDLE BRACKET.

Japanned, 4/ each. Japanned, 3/7 each. Japanned, 5 1 each. Japanned, .. 6/ each
Galvanized, 1/7 .. Galvanized, 3/ .. Galvanized, 5 7 .. Galvanized, 6/7 ..

GALVANIZED IRON CORN BINS.

SQUARE PATTERN.

	4,	6,	8,	10,	12,	16 Bushels.
	20/	25/	28/6	33/6	40/	50/
Divisions,	3/6	4/6	5/3	6/3	7/	8/6 extra.

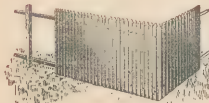
CIRCULAR PATTERN.

4 Bushels, 16/6 ... 6 Bushels, 21/6 ... 8 Bushels, 23/6



GALVANIZED CORRUGATED IRON FENCE.

The advantages of Galvanized Sheet-iron as a substitute for Wood Pale Fences are now being largely recognized, ensuring greater privacy, being more difficult to climb, and effecting considerable saving in repairs and loss through damage and removal for fire wood, &c. It is also recommended for the lower portion of Game and Poultry enclosure fences in conjunction with the ordinary wire netting at top, thus making the enclosure vermin proof.



PRICES.—Sheets, Bolts, and Nuts,
Screws and Washers for fixing to
purchaser's wood framing:—

Height.	24 gauge.	22 gauge.	20 gauge.	
3' 6"	... 2/6	... 2/11	... 3/5	per yard.
4'	... 2/9	... 3/4	... 4	"
5'	... 3/1	... 4/2	... 4/10	"
6'	... 4/	... 4/11	... 5/8	"
7'	... 4/6	... 5/7	... 6/9	"
8'	... 5/2	... 6/8	... 8/3	"

Other heights quoted for on application.

ALL IRON FRAMING. Prices, complete, with Iron Framing, can be quoted on receipt of information as to height, and approximate quantity required.

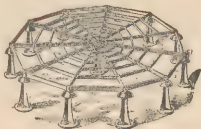
77a Queen Victoria Street, LONDON, E.C.

PREMIUM CORN RICKSTANDS.

IMPORTANT IMPROVEMENT.

THIS consists of larger and heavier Pillars, with Bases of considerably increased breadth, by which an important addition is made to the stability of the Rick.

Notwithstanding the additional weight and strength thus given, the prices of the Stands have not been increased in any instance, and a comparison of prices with those of other makers will shew that A. & J. Main & Co.'s Rickstands are still the cheapest in the market.



PRICES—Painted and Bundled, Complete.

PRICES—Painted and Bundled, Complete.					At Works.	Len. or Dub.
10'	Diameter, with	7 Pillars and 1 Circulating Bar,	...	£2 17 6	£3 7 6	
11'	"	8 " 3 3 5 3 3	...	3 10 0	4 0 0	
12'	"	8 " 3 3 5 3 3	...	3 15 0	4 7 6	
13'	"	9 " 3 3 5 3 3	...	4 10 0	5 5 0	
14'	"	9 " 3 3 6 3 3	...	5 0 0	5 15 0	
15'	"	10 " 3 3 6 3 3	...	5 17 6	6 17 6	
16'	"	10 " 3 3 7 3 3	...	6 5 0	7 5 0	
18'	"	21 " 3 3 7 3 3	...	10 0 0	11 10 0	

PREMIUM OBLONG CORN RICKSTANDS.

It will be observed from the illustration that A. & J. M. & Co. make these Stands with two intermediate Longitudinal Bars between each row of Pillars, instead of one only, as is very commonly done.



PRICES—Painted and Bundled, Complete.

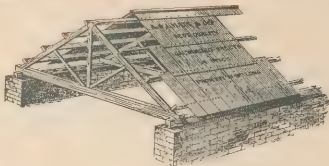
				At Works.	Len. or Dub.
12'	long x 10' wide, on	9 Pillars,	...	£4 10 0	£5 5 0
18'	" x 10' "	on 12 "	...	6 2 6	7 2 6
24'	" x 10' "	on 15 "	...	7 17 6	9 2 6
18'	" x 15' "	on 16 "	...	8 7 6	9 15 0
24'	" x 15' "	on 20 "	...	10 12 6	12 7 6
30'	" x 15' "	on 24 "	...	12 12 6	14 12 6
36'	" x 15' "	on 28 "	...	14 17 6	17 7 6
42'	" x 15' "	on 32 "	...	17 5 0	20 5 0



Pillars and Caps
for Wood Frames.
At Works, 3/ each.
Delivered, 3/6 "

The London Prices cover delivery to Seaports in England and Ireland having direct communication with Glasgow.

77a Queen Victoria Street, LONDON, E.C.



WARRANTED GALVANIZED CORRUGATED ROOFING SHEETS, &c.

SUBSTITUTE FOR SLATES, TILES, THATCH, &c.

These Sheets are 30 inches wide before Corrugation. After Corrugation, and allowing for overlap at sides, each Sheet covers a width of 2 ft. when fixed.

Gauge.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft. long.	Per Superficial Foot.
24	1/9	2/1	2/5	2/10	3/8 each.	2d.
22	2/2	2/7	3/1	3/8	4/1 "	2½d.
20	2/7	3/1	3/7	4/1	4/9 "	3d.
18	3/8	3/10	4/5	4/11	5/10 "	4d.

Curved Sheets extra, per ton, 10/.

Cost of Materials required, including Galvanized Bolts, Screws, Washers, Ridging, and Spouting (if needed), estimated on receipt of dimensions of Building to be covered.

NOTE. Quotations given PER TON for delivery to any Railway Station or Seaport on receipt of probable quantity required. Special Railway Rates obtainable for 2 tons and upwards.



FITTINGS REQUIRED IN ERECTING GALVANIZED SHEETS.

Galvanized Iron Ridge Capping, ... per foot run, ¼
 " Screws and Washers, 2½ in., per gross, 3/
 " Coach Screws & Washers, 2½ in., " 5/6
 " Bolts, Nuts, and Washers, 2 in., " 3/
 " Spiked Nails and Washers, 2½ in., " 2/6
 Steel Punch, for making Bolt or Screw Holes, each, 1/6

77a Queen Victoria Street, LONDON, E.C.

RAIN WATER GOODS.

O. G. Gutters. Extra Strong Wrought-iron Half round Gutters. Valley Gutters.
Cheaper and more durable than Cast-iron.



	3½ in.		4 in.		4½ in.		5 in.	
	Painted.	Galva- nized.	Painted.	Galva- nized.	Painted.	Galva- nized.	Painted.	Galva- nized.
Half-round, in 6 ft. lengths,	7/11	/10	/8½	/11	/10	1/	1/	1/2½ per lin. yd
Elbows or Angles and Nozzles, 1/1	1/2	1/2	1/4	1/4	1/6	1/6	1/6	1/9 each.
Galvanized "O. G.," in 6-ft lengths,	1/6	—	1/11	—	2/	—	2/5	2/5 per lin. yd.
Galvanized Valley, in 6-ft. lengths, 18-in. girth, /9 per foot.								

CAST-IRON GUTTERS.

		3½ in.	4 in.	4½ in.	5 in.	6 in.
Half-round, in 6-ft. lengths,	...	/8½	/8½	/10½	1/	1/4½ per lin. yd.
"O. G.," in 6-ft. lengths,	...	/10½	1/	1/1½	1/4	1/8½ " "

DOWN-PIPES AND CONNECTIONS.



			2½ in.	3 in.	4 in.
Wrought-iron Pipes, in 6-ft. lengths, Galvanized,	...	...	2/3	2/6	5/6 each.
" Heads, Galvanized,	...	...	3/3	3/6	4/4 "
" Shoes, "	...	...	1/6	1/9	2/6 "
Cast-iron Pipes, in 6-ft lengths,	...	...	2/3	2/8	3/10 "
" Heads, ...	...	...	1/9	1/11	2/6 "
" Shoes, ...	...	...	1/1	1/8	2/ "
Gutter Brackets, 3/6 per doz.; Galvanized, 5/ per doz. Gutter Bolts, 3/ per gross.					

CAST-IRON WINDOWS (Unglazed).

5' 0" high × 4' 0" wide,	...	...	...	...	each	£1 7 6
4' 0" " × 4' 0" "	...	...	...	...	"	1 1 0
4' 6" " × 3' 0" "	...	...	...	...	"	0 18 0
3' 10" " × 2' 6" "	...	...	...	...	"	0 13 6
3' 0" " × 2' 0" "	...	...	...	...	"	0 8 0
2' 0" " × 2' 0" "	...	...	...	...	"	0 4 6

Particulars of other Sizes in Stock on application.

77a Queen Victoria Street, LONDON, E.C.

IMPROVED WROUGHT IRON SASHES.

The Sashes are in every way superior to Cast-iron, being, practically speaking, and reliable, while affording the least possible obstruction to light. Can be made to any design or size with out cost of patterns.

Opening joints are fitted "true" and perfectly watertight, and No. 48 pattern forms in itself guard bars and windows.



No. 50.		No. 48.		No. 57.	
Width.	Height.	Width.	Height.	Width.	Height.
2' 6" x 3' 6", 10/6 each.		3' 0" x 3' 6", 17/6 each.		2' 6" x 3' 6", 17/6 each.	
2' 6" x 4' 6", 14/ "		4' 0" x 3' 0", 21/ "		2' 6" x 4' 6", 21/ "	
3' 0" x 4' 6", 15/ "		5' 0" x 4' 0", 31/ "		3' 0" x 4' 6", 22/ "	
4' 0" x 5' 0", 19/ "		6' 0" x 4' 0", 37/6 "		4' 0" x 5' 0", 26/6 "	

Above are for average number of panes (from 1 ft. to 1 ft. 6 in.), but can be varied as required at proportionate rates.

IRON COLUMNS FOR IRON OR OTHER SHEDDING.

Prepared for fixing in Concrete, having Flanges at top with holes for bolting to purchaser's wood eaves beam.

ROLLED GIRDER COLUMNS.—These, as a rule, are best for Agricultural Shedding, not being liable to breakage from cart wheels, &c.

ROLLED GIRDER COLUMNS.

Height over flange, 7 ft. 8 ft. 9 ft. 10 ft. 12 ft. 14 ft.

Price each, 13/6 15/6 17/6 20/ 22/6 25/6

CAST-IRON COLUMNS.

Height over ground, 7 ft. 8 ft. 9 ft. 10 ft. 12 ft. 14 ft.

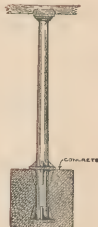
Diameter, 3 in. 3 in. 3 in. 4 in. 4 in. 4 in.

Price each, 19/ 20/ 22/ 28/ 33/6 38/6

In Lots of 6 and up.

Bolts and Nuts for bolting through purchaser's wood eaves beams, per dozen, 4/.

Cast and Rolled-Iron Columns of other dimensions, or for special purposes, quoted for on receipt of specification.



77a Queen Victoria Street, LONDON, E.C.

GALVANIZED WROUGHT-IRON OPEN WATER TANKS.

Ga. gauge.	Length ft. in.	Width ft. in.	Depth ft. in.	Price.	Price Deduct.
50	2 5	1 10	1 10	22/6	8/8
80	2 10	1 3	2 0	31/6	5/6
100	3 2	2 3	2 3	35/-	6/-
125	3 4	2 7	2 1	39/6	7/-
150	3 6	2 7	2 5	45/6	7/6
200	3 10	2 11	2 11	57/-	10/-
250	4 2	3 3	3 0	78/6	13/6
300	4 6	3 7	3 0	90/-	17/6

STRONG GALVANIZED WROUGHT-IRON
CATTLE TROUGHS.

4' long, ...	each, 27/6
5' " ...	" 32/6
6' " ...	" 38/-
7' " ...	" 42/6
8' " ...	" 48/-



Plug and Chain, if required, + extra. With Safe Edge. 18 inch wide by 15 inch deep.

GALVANIZED WROUGHT-IRON TUBES FOR GAS OR WATER.



No.	Length	Internal Diam.	$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{2}$ in.	$1\frac{1}{2}$ in.	$1\frac{3}{4}$ in.	2 in.	$2\frac{1}{2}$ in.	$2\frac{1}{2}$ in.
1. Tubes, 2 to 11',	per ft.,	$2\frac{1}{2}$	$3\frac{1}{2}$	$4\frac{1}{2}$	$5\frac{1}{2}$	$6\frac{1}{2}$	$7\frac{1}{2}$	$8\frac{1}{2}$	$9\frac{1}{2}$	$10\frac{1}{2}$	$11\frac{1}{2}$
2. Bends, ...	each,	$\frac{1}{4}$	$\frac{1}{6}$	$\frac{1}{7\frac{1}{2}}$	$\frac{1}{11}$	$\frac{1}{1\frac{1}{4}}$	$\frac{1}{1\frac{3}{8}}$	$\frac{1}{1\frac{1}{2}}$	$\frac{1}{1\frac{3}{4}}$	$\frac{1}{2\frac{1}{4}}$	$\frac{1}{2\frac{3}{4}}$
3. Elbows, ...	"	$\frac{1}{4}$	$\frac{1}{6}$	$\frac{1}{7}$	$\frac{1}{11}$	$\frac{1}{1\frac{1}{4}}$	$\frac{1}{1\frac{3}{8}}$	$\frac{1}{1\frac{1}{2}}$	$\frac{1}{1\frac{3}{4}}$	$\frac{1}{2\frac{1}{4}}$	$\frac{1}{2\frac{3}{4}}$
4. Round and Ellipses, ...	"	$\frac{1}{4\frac{1}{2}}$	$\frac{1}{6}$	$\frac{1}{8\frac{1}{2}}$	$\frac{1}{11\frac{1}{2}}$	$\frac{1}{1\frac{3}{8}}$	$\frac{1}{1\frac{3}{8}}$	$\frac{1}{1\frac{1}{2}}$	$\frac{1}{1\frac{3}{4}}$	$\frac{1}{2\frac{1}{4}}$	$\frac{1}{2\frac{3}{4}}$
5. Crosses, ...	"	$11\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{7}{8}$	$2\frac{1}{2}$	$2\frac{1}{4}$	3	$3\frac{1}{6}$	$7\frac{1}{2}$	$10\frac{1}{2}$	$13\frac{1}{2}$
6. Tees, ...	"	$4\frac{1}{2}$	$\frac{1}{6}$	$\frac{1}{7\frac{1}{2}}$	$\frac{1}{11}$	$\frac{1}{1\frac{1}{4}}$	$\frac{1}{1\frac{3}{8}}$	$\frac{1}{1\frac{1}{2}}$	$\frac{1}{1\frac{3}{4}}$	$\frac{1}{2\frac{1}{4}}$	$\frac{1}{2\frac{3}{4}}$
7. Caps, ...	"	$\frac{1}{2}$	$\frac{1}{2\frac{1}{2}}$	$\frac{1}{3\frac{1}{2}}$	$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{6}$	$\frac{1}{7\frac{1}{2}}$	$\frac{1}{8\frac{1}{2}}$	$\frac{1}{10\frac{1}{2}}$	$\frac{1}{13\frac{1}{2}}$
8. Sockets, ...	"	$1\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{3\frac{1}{2}}$	$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{6}$	$\frac{1}{7\frac{1}{2}}$	$\frac{1}{10\frac{1}{2}}$	$\frac{1}{13\frac{1}{2}}$
9. Plugs, ...	"	$\frac{1}{2}$	$\frac{1}{2\frac{1}{2}}$	$\frac{1}{3\frac{1}{2}}$	$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{6}$	$\frac{1}{7\frac{1}{2}}$	$\frac{1}{8\frac{1}{2}}$	$\frac{1}{10\frac{1}{2}}$	$\frac{1}{13\frac{1}{2}}$
10. Manholes (Iron), ...	"	$1\frac{1}{2}$	$2\frac{1}{2}$	$3\frac{1}{2}$	$4\frac{1}{2}$	$5\frac{1}{2}$	$6\frac{1}{2}$	$7\frac{1}{2}$	$8\frac{1}{2}$	$9\frac{1}{2}$	$10\frac{1}{2}$
11. Pa-k Nuts, ...	"	$1\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{3\frac{1}{2}}$	$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{6}$	$\frac{1}{7\frac{1}{2}}$	$\frac{1}{10\frac{1}{2}}$	$\frac{1}{13\frac{1}{2}}$
12. Flanges, ...	"	$\frac{1}{6}$	$\frac{1}{7}$	$\frac{1}{8\frac{1}{2}}$	$\frac{1}{9}$	$\frac{1}{11}$	$\frac{1}{1\frac{1}{2}}$	$\frac{1}{1\frac{3}{4}}$	$\frac{1}{2\frac{1}{4}}$	$\frac{1}{2\frac{3}{4}}$	$\frac{1}{3\frac{1}{2}}$
13. Nipples, ...	"	$1\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{3\frac{1}{2}}$	$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{6}$	$\frac{1}{7\frac{1}{2}}$	$\frac{1}{10\frac{1}{2}}$	$\frac{1}{13\frac{1}{2}}$
14. Reducing Sockets, ...	"	$\frac{1}{2\frac{1}{2}}$	$\frac{1}{3\frac{1}{2}}$	$\frac{1}{4\frac{1}{2}}$	$\frac{1}{5\frac{1}{2}}$	$\frac{1}{6\frac{1}{2}}$	$\frac{1}{7\frac{1}{2}}$	$\frac{1}{8\frac{1}{2}}$	$\frac{1}{9\frac{1}{2}}$	$\frac{1}{10\frac{1}{2}}$	$\frac{1}{11\frac{1}{2}}$

Cutting and Screwing to exact lengths charged extra.

CAST-IRON PIPES



AND FITTINGS.

	Length,	2 in.	3 in.	4 in.	5 in.	6 in.
Underground Socket Water Pipes, per yard.		1/6	2/2	3/	4/3	5/3
Hot Water Pipes, ...	"	1/5	1/11	2/5	—	—

77a Queen Victoria Street, LONDON, E.C.

CURVED SECTIONS.

"SELF-SUPPORTING" IRON ROOFS.

In this class of roofing, no complete trusses (or principals) are used, the sheets alone, with light bracing as may be required, being sufficient. The roof must be semi-circular or curved in form; and as the strength of the structure mainly lies in the sheets, and in the proper fixing of them at the eaves and to the bracing, special precautions require to be taken in determining the strength and arrangement of these parts.

We do not recommend this style of roofing for spans above 30 ft. wide:—



No. 10.



No. 11A.



No. 12.

Section No. 10 is suitable for spans up to about 20 feet.

" " 11A " " from 20 to 24 feet.

" " 12 " " from 24 to 30 feet.

"TRUSSED" IRON ROOFS.

In this class, trusses or principals, and purlin-bars, are arranged so as to form a complete frame, on which the sheets are secured. As it is this framework which gives the strength to the structure, the thickness (or gauge) of the sheets is mainly determined by the durability required.

Three Sections of Curved Trussed Roofs are given below:—



Section No. 6a



Section No. 7a



Section No. 8a

Section No. 6a will suit for spans from about 28 to 32 feet.

Section No. 7a will suit for spans from about 32 to 42 feet.

Section No. 8a will suit for spans from about 42 feet and upwards.

77a Queen Victoria Street, LONDON, E.C.

RIDGED SECTIONS.

"TRUSSED" IRON ROOFS.

Trussed roofs of Ridged shape are often adopted, and below are given four sections of this form:—



No. 0.

Section No. 0 will suit for spans up to about 22 feet.

" " 1A " " from about 22 to 32 ft.

" " 2A " " 32 to 45 ft.

" " 3A " " of about 45' and upwards.



No. 1A.



No. 2A.



No. 3A.

VENTILATORS.

In many cases ventilators are required in the roof, and in the preceding sections various forms of these are sketched. It will, of course, be readily understood that any of these types shown on the "trussed" sections may be applied to any of the other trussed forms of roof.

In "self-supporting" roofs, the strength of the roof sheets must not be interfered with, and the only simple form of ventilator we recommend in this case is that shown on Section No. 11A, and more clearly in Design No. 3-1A, page 70.

We shall also be pleased to quote for any special type on receipt of full particulars of same.

ROOF LIGHTS.

Wherever possible all lighting should be got from the sides or ends of the building, as roof lights are expensive, and apt to give trouble, through their liability to get broken, or to leak during wet and stormy weather.

Where they must be introduced, we shall be pleased to submit what we consider the most suitable arrangement, or will quote to any design submitted to us.

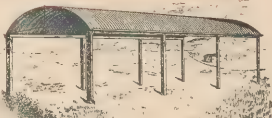
77a Queen Victoria Street. LONDON, E.C.

GALVANIZED SELF SUPPORTING ROOF, ON PURCHASERS' TIMBER FRAMING.

Specification No. 318.

—roof of best Galvanized Corrugated Curved Sheets, Galvanized Bolts and Nuts, Screws and Washers for fixing to wood eaves beams or wall plates. Tie rods, half-round painted gutters, and down pipes for each side.

All sheds should have both ends closed to level of eaves, and prices for this Closing are quoted separately.



No. 318.

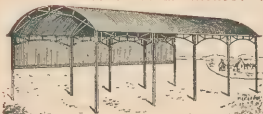
Length.			Width.			No. 318.			Length.			Width.					
Shed	30'	16'	47	5	0	Shed	30'	20'	12	10	0	Shed	50'	22'	25	10	0
"	30'	18'	10	5	0	"	40'	20'	16	0	0	"	60'	22'	30	10	0
"	40'	16'	13	5	0	"	50'	20'	20	0	0	"	40'	24'	22	10	0
"	20'	18'	8	5	0	"	60'	20'	21	0	0	"	50'	21'	27	10	0
"	30'	18'	11	10	0	"	30'	22'	15	15	0	"	60'	24'	33	0	0
"	40'	18'	14	13	0	"	40'	22'	20	10	0	"	70'	24'	38	10	0

including 20' eaves, including Angle-iron 1" x 1" and 1" x 1" for each end of Shed, sheets, bolts and nuts —

16 ft. wide.	20 ft. wide.	22 ft. wide.	24 ft. wide.
£3 15 0	£4 10 0	£5 15 0	£6 15 0 extra.

GALVANIZED HAY AND GRAIN SHED.

CONSTRUCTED WITHOUT TIE RODS.



No. 486.

This form of Shed is very largely adopted for storing Hay and Grain. The trussing is arched so that the produce can be stored close to the roof, thus greatly increasing the capacity of the Shed. The Columns are malleable iron fixed into concrete foundations, with strong arched eaves-beams to resist lateral wind-pressure. The ends are recommended to be closed to level of eaves.

PRICES.

SHED, 45' long, x 15' wide, ...	11 ft. l. g.h.	16 ft. l. g.h.	18 ft. l. g.h.
" 60' " x 18' " ...	£38 0 0	£39 10 0	£44 10 0
" 45' " x 20' " ...	49 0 0	50 15 0	56 15 0
" 45' " x 20' " ...	40 0 0	41 10 0	46 10 0
" 60' " x 20' " ...	51 10 0	53 5 0	59 5 0
" 75' " x 20' " ...	63 10 0	65 10 0	73 0 0
" 90' " x 20' " ...	75 5 0	77 10 0	86 15 0

Closing for two ends down to eaves, including Angle-iron 1" x 1" and 1" x 1" for each end of Shed, sheets, bolts, and nuts:—

18 feet wide, £2 15 0 extra.	20 feet wide, £3 10 0 extra.
------------------------------	------------------------------

Closing below eaves EXTRA. Price, 6 feet deep, about 2 per lineal Foot.

Delivered to any point of Railway Station, or to 8 points in Ireland. Quotations for other sizes, and for erection if desired, on application.

77a Queen Victoria Street, LONDON, E.C.

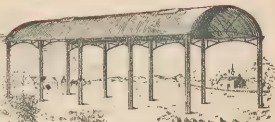
HAY AND GRAIN SHEDS -Continued.

No. 334a.

Design No. 334a shows a self-supporting Roof fitted with "Queen Posts" or double Struts—see diagram No. 11a, page 70—suitable for spans from 22 feet up to 24 feet.

The Columns and Arched Eaves Girders are of similar type to those shown for design No. 498.

In this roof a simple form of ventilator is shown—see diagram No. 11a, page 70—these being quoted extra, as under—



No. 334a.

PRICES.

PRICE.		12 feet high.	14 feet high.	16 feet high.	18 ft. high.
Shed	60 ft. long by 22 ft. wide,	£53 10 ...	£54 15 ...	£56 5 ...	£63 0
"	75 " "	66 5 ...	67 15 ...	69 10 ...	77 5
"	90 " "	79 5 ...	81 0 ...	83 0 ...	92 0
"	60 " "	56 15 ...	58 0 ...	59 10 ...	66 5
"	75 " "	70 10 ...	72 0 ...	73 15 ...	81 10
"	90 " "	83 15 ...	85 10 ...	87 10 ...	96 10

This Shed is also made 20 feet wide, with Tie Bars and King Post, as per Section No. 10 (see page 70), at the following prices:—

Shed 45 ft. long by 20 ft. wide,	£35 10 ...	£36 10 ...	£36 15 ...	£43 10
" 60 " " 20 " "	45 10 ...	47 0 ...	48 15 ...	55 0
" 75 " " 20 " "	56 15 ...	58 5 ...	60 0 ...	67 15

Cladding for Two Ends down to Eaves, same as quoted for No. 318 Roof on page 72.



No. 455.

This Design illustrates a Shed 30 feet wide, with a Curved Roof on the TRUSSED PRINCIPLE, in which case the Stacks may be built across the Shed, and not lengthways. The span may be increased beyond 30 feet when desired. In the Illustration an Iron RICKET, as a vermin proof, is shown, but the price quoted below are exclusive of this.

No. 455.

PRICES.

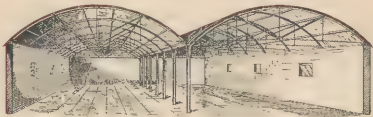
	14 ft. high.	16 ft. high.	18 ft. high.	
75 ft. long by 30 ft. wide,	£93 0 0	£98 10 0	£103 0 0	Cladding for Two Ends to Eaves £5 0 0 extra.
" 100 " " 30 " "	111 0 0	117 0 0	122 10 0	
105 " " 30 " "	129 0 0	135 10 0	142 0 0	
120 " " 30 " "	147 0 0	154 0 0	161 10 0	
125 " " 30 " "	165 0 0	172 10 0	181 0 0	

Delivered to principal Railway Stations, or to Seaports in Ireland. Quotations, including Erection, forwarded on application.

Ventilators applicable to any other design, as shown in Section No. 11a page 70. 10/- each extra.

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FOLD-YARD COVERINGS.



No. 414.

No. 414 shows a Double Span Roof carried on Walls at the outside, with a row of Iron Columns up the centre. By this arrangement, yards from 60 to 100 feet wide can be conveniently covered, while lesser widths can be covered in one span, see opposite page.

We give the following example to indicate approximate price:—

Double Span Curved Roof on outside walls, and Iron Columns up centre. Galvanized Valley Gutter, &c., 80 ft. long by 80 ft. wide, about 9d. per square foot of area covered, exclusive of Skylights or Windows. If to be erected by our men, about 2½d. per square foot extra.



No. 573.

No. 573 shows a Double Span Roof adapted to a wide space where there is a small well in one end only, the other side being carried by Iron Columns and against the side of the existing Office. An alternative plan for dealing with yards of this kind is shown by Design N. 574, page 76. It is a plan for dealing with ventilation as shown, and skylights can be added when desired.

Approximate price about 10d. per square foot of ground covered, exclusive of Ventilators or Skylights. Erection extra.

DESIGNS and ESTIMATES forwarded on receiving the necessary information.

Designs of Iron Roofs, and Profiles of all parts, in the United Kingdom, on the most favourable terms.

77a Queen Victoria Street, LONDON, E.C.

FOLD-YARD COVERINGS.



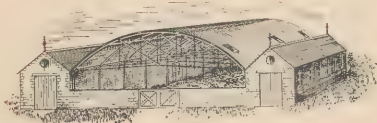
No. 574.

No. 574 shows a Single-Span Roof of a wide span erected between existing building, and carried by Brick Piers built up through the Roofs of these Offices. By this means the whole of the Space in the Court Yard is kept clear. An alternative method of dealing with such a case is shown by Design No. 655, below.

We select the full wing as an indication of the approximate prices:—

Ridged Roof 100 feet long by 57 feet wide, with ventilator on apex, and skylights, one end partitioned, at $1\frac{1}{2}$ per square foot of area covered. Ridged Roof 62 feet long by 52 feet wide, with ventilator on apex, but no skylights; both ends gabled only—about $10\frac{1}{2}$ d. per square foot of area covered.

Erection, $2\frac{1}{2}$ d. per square foot extra.



No. 655

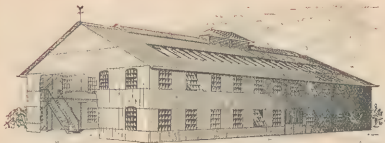
Design No. 655 shows the application of a Single-Span Curved Roof under similar circumstances to that in Design No. 574, except that the roof is carried on iron columns, fixed close to the walls of the side buildings. The columns are frequently made higher than shown in this design, to allow for ventilation at the eaves.

Approximate price about $10\frac{1}{2}$ d. per square foot of ground covered. Erection extra.

Allow, just, for quantities for Roofs of this kind should be a general description of the material to be covered and the amount of the same. Any other details or alterations, I make the same as the above, and refer to page 80 as to further information required.

77a Queen Victoria Street, LONDON, E.C.

PUBLIC MARKET HALL.



No. 605.

The design illustrates a building constructed for a Public Market, and formed wholly of Iron, with Galleries inside.

The Walls consist of Iron Columns enclosed with Galvanized Sheets carried by longitudinal iron bars, and the Roofs of the usual Trussed type.

This building was 120 feet long by 60 feet wide and 20 feet high to eaves, and the approximate Price about 8s. per square foot of area covered, exclusive of windows and doors.

For building of different prices, and for all the various and the intended uses, see plans as desired.

IRON DRILL HALL.



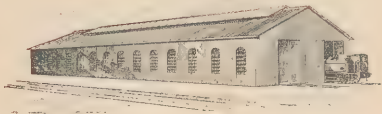
No. 604.

Drill Halls are made to various dimensions and arrangements, and this design illustrates an effective form of Iron Building with Trussed roof, very generally adopted at home and abroad. Malleable Iron Columns carry the roof; and light brick walls are built between up to the windows as shown, or to the eaves.

Approximate Price—Drill Hall 70 feet long by 10 feet wide, with Iron Columns, but exclusive of Windows or Glass—about 2s. per square foot of area covered. If erected in this country, 4d. per square foot extra.

77a Queen Victoria Street, LONDON, E.C.

LOCOMOTIVE SHEDS.



No. 607.

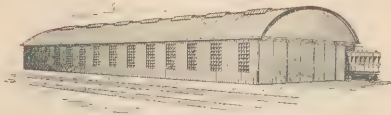
This design illustrates a convenient form of an *Alfira Locomotive Shed or Repairing Shop*, adopted by many Railway Companies.

The approximate Price may be indicated by an example which we erected for the Great Northern Railway Coy. of Ireland. Shed 160 feet long by 37 feet wide and 15 feet high to eaves—about 1s. 9d. per square foot of area covered, *exclusive of doors and windows*.

If erected by our men, about 3d. per square foot extra.

In writing for definite prices state *length, width, and height to eaves*, and particulars of *ventilation, doors, and windows* desired.

RAILWAY OR TRAM CAR SHEDS.



No. 510.

In this design we illustrate one of a large number of strong *Carriage Sheds* erected by us for the Lancashire and Yorkshire Railway Co.

The approximate Price of such a shed 148 feet long by 50 feet wide and 14 feet high to eaves is about 1s. 6d. per square foot of area covered, *exclusive of doors and windows*. If erected by our men, about 3d. per square foot extra.

In writing for definite prices, state *length, width, and height to eaves*, and particulars as to *doors and windows* desired.

77a Queen Victoria Street, LONDON, E.C.

STEEL AND IRON BRIDGES.

Suitable for Foot or Carriage Traffic.

A few designs are here submitted, namely 18 specimens of the many varieties which A. & J. M. & Co. manufacture. The illustrated Bridge Catalogue will be forwarded on application.

The Roadway may be formed either of timber or concrete. The former is, of course, the cheaper, and, except for heavy traffic, generally forms a simple and economical arrangement, as the timber can be readily renewed when required.

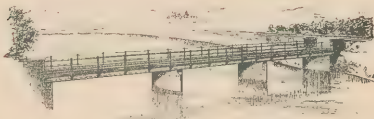
Where it is desired, the type of bridge should be left to A. & J. M. & Co. to choose, as their large experience will then enable them to quote for the most suitable and economical design to meet the special requirements of the case.

As each inquiry necessitates the making up of a special design and calculation, the latter in many cases being checked by means of Stress Diagrams, a reasonable time must be allowed for this; and we cannot undertake to quote for Bridges unless the most careful information is sent us. *(See page 81 for particulars of information required.)*



No. 345a.

Design No. 345a shows a very simple type of bridge, suitable, with ordinary traffic, for spans up to about 30 feet (or with a little modification it may be conveniently applied up to about 45 feet.) It consists of a series of H section beams of suitable strength, properly tied together, on which the flooring rests. A simple form of iron handrail is shown on either side of bridge.

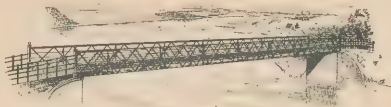


No. 345b.

Design No. 345b shows the above type applied to wide spans where piers of stone, brick, or concrete, can be readily built.

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STEEL AND IRON BRIDGES—Continued.



No. 654.

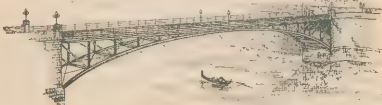
Design No. 654 shows a Lattice-Girder type of bridge, suitable for large spans, and either light or heavy traffic. Where the height of the bridge is not great, and intermediate piers can be readily built, it is sometimes cheaper to take the type shown in Design No. 345B; but where these conditions are not favourable, the lattice type may be designed to form a thoroughly satisfactory and economical bridge.

Steel or Iron Piles.—Where the foundation is suitable, steel or iron piles may sometimes be built cheaper than if the piers were made of stone or brick, but very full information is required as to the nature of the bed of the river, and height of piers, &c., before this can be determined.



No. 653.

Design No. 653 shows a Steel Wire Rope Suspension Bridge suitable for foot traffic. As very strong foundations are required for the ends of the Back Ropes, this type is only economical where such can be easily got, and cannot therefore be recommended where these conditions are wanting.



No. 570.

Design No. 570 shows an Arched Bridge of light and elegant appearance. This type requires very strong and substantial abutments, and where these can be cheaply built it will form an economical bridge, and is particularly to be recommended where appearance is an object. It may be made in spans up to 200 feet or over.

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DIRECTIONS FOR TRANSMITTING MEASUREMENTS. IRON ROOFING.

In applying for Prices of Iron Roofing, it is necessary, in all cases, to specify the following particulars:—

- 1st. The length, and whether upon Timber Uprights, Iron Columns, or Walls.
If upon Walls, state the thickness of the Walls, and whether the length is inside or over the Walls.
- 2nd. The width, in a similar manner, and if upon Timber Uprights or Iron Columns, state whether width is inside or over same.
- 3rd. The height to Eaves.
- 4th. If the Roof is upon Walls, state if the End Walls are to be built up to the Roof Sheets, or if iron end cladding is to be supplied down to Eaves level.
- 5th. If upon Iron or Timber Uprights, state if sides are to be closed in with Sheets; and if so, what Doors and Windows are desired, with their sizes and positions.
- 6th. State if Ventilators or Lights are required in the Roof.
- 7th. Refer to the design in this Catalogue which most nearly conveys the arrangement preferred, and generally give full particulars of the Roof or Building desired.
- 8th. State if Erection by A. & J. MAIN & Co.'s men is required.

STEEL AND IRON BRIDGES.

INFORMATION NECESSARY ALONG WITH BRIDGE INQUIRIES.

(a) Span, or length, face to face of abutment; (b) Width of roadway; (c) Material of roadway, timber or concrete; (d) Nature and weight of traffic to be accommodated; if for engine traffic, state weight of engine; (e) Height of bridge roadway above bed level of stream. (This is to allow the most convenient clearance); (f) When intermediate piers are required, state whether these are to be built of masonry or iron, and in the latter case give height of roadway above bed of river, depth of water at high flood, and nature of bed of river.

PLANS and PRICES will be forwarded as quickly as possible after receipt of the necessary information. But as prices in general cannot be quoted without the preparation of Plans and their careful measurement, time must be allowed for these necessary preliminaries.

ERECTION OF STEEL OR IRON STRUCTURES.

A. & J. MAIN & Co. have a staff of thoroughly experienced workmen for the Erection of Iron Roofing, Shedding, and Iron Structures; and they are prepared to Contract for the completion of all such work in any part of Great Britain or Ireland.

In cases Abroad, where the expense of sending workmen specially for that purpose would be too great, the various parts are all specially fitted and tested for exportation, and working plans are furnished. The erection is, indeed, a very simple matter, as the different parts are easily handled, and have only to be bolted together, which can readily be done by any intelligent workman. This facility of erection renders A. & J. MAIN & Co.'s Iron Roofing and Shedding specially adapted for all Foreign or Colonial requirements.

77a Queen Victoria Street, LONDON, E.C.

A. & J. MAIN & CO., Manufacturers,

GALVANIZED IRON BUILDINGS,

SUITABLE FOR

MISSION AND CLUB ROOMS, BILLIARD ROOMS,
SHOOTING LODGES, &c., &c.

CONSTRUCTED OF BEST QUALITY SHEETS, WELL-SEASONED TIMBER
FRAMING, MATCH-BOARDED AND FELT-LINED.



Design No. 10.
Mission or School Room.



Design No. 16.
Reading Room.



Design No. 14.
Billiard Room.



Design No. 12.
Shooting Lodge, Cottage, &c.

Designs and Estimates supplied on receipt of particulars of requirements, dimensions, or accommodation to be provided, &c.

The framework of these buildings is morticed and tenoned to facilitate re-erection at home or abroad. Ample ventilation is provided in various ways.


The match-boarding is stained, sized, or varnished, or it can be canvassed and papered, as desired.



Design No. 18.
Coach-House, Stable & Harness Room.

77a Queen Victoria Street, LONDON, E.C.

W. M. MOLLISON & CO., Lithographers and Printers,
133 Renfield Street, Glasgow.



A. & J. MAIN & CO.,
STRUCTURAL ENGINEERS,
77A QUEEN VICTORIA STREET, LONDON, E.C.
AND AT
GLASGOW, EDINBURGH, and DUBLIN.

